OM protein - protein search, using sw model

March 23, 2006, 16:44:52; Search time 38 Seconds (without alignments) 45.576 Million cell updates/sec Run on:

US-09-830-972A-2\_COPY\_623\_640 99 Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 1 SYDSIKLEPENPPPYEEA 18 Scoring table:

283416 seqs, 96216763 residues Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

PIR 80: \* 1: pirl: \* 2: pir2: \* 3: pir3: \* 4: pir4: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	hypothetical prote	nitrate-binding pr	rubber particle cy	tran	hypothetical prote		rRNA (adenine-N6, N	zinc finger protei	hypothetical prote	hypothetical prote	activator of Hsp70	peroxisome prolife	prof	protein B0413.7 [i	spore cortex-lytic	hypothetical prote	peroxisome prolife	peroxisome prolife	peroxisome prolife	hypothetical prote	hypothetical prote	yeast pheromone re	hypothetical prote	glycerol-3-phospha	radial spoke prote	. peroxisome prolife	peroxisome prolife	histamine Hi recep	peroxisome prolife
SUMMARIES	αI	T33152	S58738	A56377	AF2165	T25568	T40240	T43249	ZNXPLC	F75084	T51996	T41531	PC4290	T18755	F89418	G83853	T49887	JC4264	JC4859	A54101	T21816	T20140	T00986	T29121	G83784	A44498	JE0279	C42214	JC2495	JE0280
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	Length	2957	442	473	458	1398	307	315	90	257	591	591	141	156	156	330	340	475	505	505	539	1113	317	400	459	465	475	477	487	504
	& Query Match			0.5		•	9.0		•					5.5	6.5	•	5.5			•	٠		•	•	•	•	•	•		•
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	Result No.	-	7	٣	4	S	9	7	œ	đ	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	53

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	peroxisome prolife	stringent starvati	hypothetical prote	ubiquitin-protein	hypothetical prote	interferon-regulat	nitrate transport	hypothetical prote	protein T12A7.2 [i	hypothetical prote	interferon-regulat	hypothetical prote	female sterile hom	DNA topoisomerase	Fl protein - avian	adenylylsulfate 3-	• •
	JC5777	C82748	T22209	836769	T02463	A30819	877389	T24856	G88846	T00853	A31203	T15073	A56619	S44861	VFIHB1	F75097	
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	505	211	194	250	413	423	446	483	520	613	631	661	754	2434	3951	174	
	45.5	44.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	43.9	
	45	44.5	44	44	44	44	44	44	44	44	44	44	44	44	44	43.5	
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	

## ALIGNMENTS

LT 1 52	nypothetical protein T04D1.4 - Caenorhabditis elegans	C,Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #ten
RESULT 1 T33152	hypotheti	C;Date: 2

xt\_change 09-Jul-2004

R.Davidson, S.; Wohldmann, P.
submitted to the EMBL Data Library, May 1998
A.Description: The sequence of C. elegans cosmid T04D1.
A.Reference number: 221292
A.Recession: T33152
A.Recession: T33152
A.Recession: T33152
A.Recession: T33152
A.Recession: T33152
A.Recession: T33152
A.Residues: 1-2957 - DAN
A.Residues: 1-2957 - DAN
A.Residues: L2957 - DAN
A.Residues: UNIPROT:061845; UNIPARC:UPI000007A573; EMBL:AF067617; PIDN:AAC17559.1

C;Genetics:
C;Genetics:
A;Gene: CESP:TO4D1.4
A;Map position: 1
A;Map position: 1
A;Introns: 122/3; 293/3; 515/3; 1205/2; 1577/1; 2221/3; 2776/1; 2864/3

0; Gaps Query Match
51.5%; Score 51; DB 2; Length 2957;
Best Local Similarity 53.8%; Pred. No. 64;
Matches 7; Conservative 4; Mismatches 2; Indels 0; Gaps

5 IKLEPENPPPYEE 17 ઠે

:|:||| | ||:: 464 VKMEPEKPSPYQQ 476 g

nitrate-binding protein nrtA precursor, periplasmic [similarity] - Phormidium laminosum C; Species: 10-Apr-1996 #sequence\_revision 19-Apr-1996 #text\_change 09-Jul-2004 C; Accession: S58738; S56641; S62124 R; Marchan, F; Kindle, K.L.; Llama, M.J.; Serra, J.L.; Fernandez, E. R; Marchan, F.; Kindle, K.L.; Llama, M.J.; Serra, J.L.; Fernandez, E. Plant Mol. Biol. 28, 759-766, 1995 A; Title: Cloning and sequencing of the nitrate transport system from the thermophilic, focus sp. PCC 7942.

A; Reference number: S58738; MUID:95375238; PMID:7647306 A; Accession: S58738; MUID:95375238; PMID:7647306 A; Accession: S58738; MUID:95375238; PMID:7647306 A; Reference number: S58738; MUID:95375238; PMID:7647306 A; Reference number: S58640; MUID:95384340; PMID:7766873 A; Reference number: S58640; MUID:95284340; PMID:7766873 A; Reference number: Reduce not shown; translation not shown

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dimethylase - fission yeast (Schizosaccharomyces pombe)
Cjopecies: Schizosaccharomyces pombe
Cjopecies: Schizosaccharomyces pombe
Cjoaccession: T40240
RjBorzym, K., T., Beck, A.; Reinhardt, R.; McDougall, R.C.; Rajandream, M.A.; Barrell, B.G.
RjBorzym, K., T., Beck, A.; Reinhardt, R.; McDougall, R.C.; Rajandream, M.A.; Barrell, B.G.
A,Reference number: 221916
A,Reference number: 221916
A,Reference number: 2010
A,Rocession: T40240
A,Rocession: T40240
A,Rocession: UNIPARC:UP100001293DF; EMBL:AL121815; PIDN:CABS8154.3
A,Rocess-references: UNIPARC:UP100001293DF; EMBL:AL121815; PIDN:CABS8154.3
C,Genetice:
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                                            Argothetical protein C24G7.5 - Caenorhabditis elegans
Cippecies: Caenorhabditis elegans
Cipaceis: Caenorhabditis elegans
Cipace: Caenorhabditis elegans
Cipace: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999
Cipace: T25568
RiGoela, D.; Wilson, R.
Bubmitted to the EMBL Data Library, February 1997
Alpecription: The sequence of C. elegans cosmid C24G7.
Alpecription: The sequence of C. elegans cosmid C24G7.
Alpecression: T25568
Alpecration: T25568
Alpecression: T25568
Alpecression: T25568
Alpecression: T25568
Alpecression: T25668
Alpecression: T25688
Alp
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A;Introns: 13/2; 132/2; 220/3; 316/2; 357/1; 491/3; 558/3; 734/3; 842/1; 1103/3; 1213/2;
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A;Gene: SPDB:SPBC336.02
A;Map position: 2
A;Introns: 45/3
C;Superfamily: dimethyladenosine transferase (rRNA adenosine dimethyltransferase)
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Best Local Similarity 43.8%; Pred. No. 54;
Matches 7; Conservative 5; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
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50.0%; Pred. No. 11;
tive 5; Mismatches
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201 VRIEPKNPPPPLAFEE 216
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Best Local Similarity 50.0%
Matches 8; Conservative
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Bicarbonate transport bicarbonate-binding protein cmpA [imported] - Nostoc sp. (strain F Diazbonate transport bicarbonate-binding protein cmpA [imported] - Nostoc sp. (strain F C. 5pecies: Nostoc sp. PCC 7120
A.Note: Nostoc sp. strain PCC 7120
C.Species: 14-Dec-2001 #sequence_revision 14-Dec-2001 #text_change 09-Uul-2004
C.Date: 14-Dec-2001 #sequence_revision 14-Dec-2001 #text_change 09-Uul-2004
R.Kaneko, T.; Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Iriguchi Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabata, S. A;Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium Ana A;Reference number: AB1807; MUID:21595285; PMID:11759840
A.;Reference number: AB1807; MUID:21595285; PMID:11759840
A.;Status: preliminary
A.;Status: 1-458 «KUR»
A.;Status: 1-458 «KUR»
A.;Status: 1-458 «KUR»
A.;Status: Drain PCC 7120
A.;Coss-references: UNIRPAT:QBYT49; UNIPARC:UPI00000CESBE; GB:BA000019; PIDN:BAB74576.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C;Species: Parthenium argentatum (guayule)
C;Species: Parthenium argentatum (guayule)
C;Date: 21-701-1995 #sequence_revision 03-Aug-1995 #text_change 09-Jul-2004
C;Accession: A56377
R;Pan, Z:;Durat, F; Werck-Reichbart, D.; Gardner, H.W.; Camara, B.; Cornish, K.; Backh
B;Pan, Z:;Durat, F; Werck-Reichbart, D.; Gardner, H.W.; Camara, B.; Cornish, K.; Backh
A;Title: The major protein of guayule rubber particles is a cytochrome P450. Characteriz
A;Accession: A56377
A;Scatus: preliminary; not compared with conceptual translation
A;Molecule type: mRNA
A;Residues: L-473 cPAN-
A;Residues: L-473 cPAN-
A;Cross-references: UNIPROT:Q40778; UNIPARC:UPI0000126CCE; GB:X78166; NID:g791092; PIDN:C;Superfamily: fatty acid hydroperoxide lyase
A;Residues: 1-67,'A',69-442 <MEW>
A;Cross-references: UNIPARC:UPI000017CAF6; EMBL:219598
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, January 1993
C;Genetics:
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C.speciese: Parthbnium argentatum (guayule)
C.pate: 21-Jul-1995 #sequence_revision 03-Aug-1995 #text_change 09-Jul-2004
C.Accession: A56377
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49.5%; Score 49; DB 2; Length 458;
Best Local Similarity 50.0%; Pred. No. 15;
Matches 7; Conservative 3; Mismatches 4; Indels
                                                                                                                            A;Note: the nuclear contents of the content of the 
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Matches
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RESULT 5

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hypothetical protein stil+ - fission yeast (Schizosaccharomyces pombe)
C;Species: Schizosaccharomyces pombe
C;Species: Schizosaccharomyces pombe
C;Species: Schizosaccharomyces pombe
C;Species: Oct-2000 #sequence_revision 20-Oct-2000 #text_change 09-Jul-2004
C;Accession: T51996
R;Yamashita, Y; Nakaseko, Y.; Samejima, I.; Kumada, K.; Yamada, H.; Yanagida, M.
Nature 384, 276-279, 1996
A;Itle: 208 cyclosome complex formation and proteolytic activity inhibited by the cAMP/I
A;Accession: T51996
A;Accession: T51996
A;Accession: T51996
A;Accession: T51996
A;Accession: T51976
A;Accession:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A,Accession: T41531
A,Stetus: pre-flainary; translated from GB/EMBL/DDBJ
A,Stetus: pre-flainary; translated from GB/EMBL/DDBJ
A,Robecule type: DNA
A,Robecule type: DNA
A,Robecule type: UNIPROT: 09USIS; UNIPARC: UPI00001360FA; EMBL: AL049498; PIDN: CAB39910.1
A,Experimental source: strain 972h-; cosmid c645
C,Genetics:
A,Rober: SPDB: SPCG645.14c
A,Rober: SPDB: SPCG645.14c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Percoxisome proliferator activated receptor gamma 2 - human (fragment)
NyAlternate names peroxisome proferator activated receptor gamma 1
Cippecies: Homo septiens (man)
Cipace of O-Jul-1997 #eequence_revision 18-Jul-1997 #text_change 05-Oct_2004
Cipacession: PC4290
Cipacession: PC4290
Eiochem: Biophys. Res Commun. 233, 120-124, 1997
A;Title: Differential expression of PPAR gamma 1 and gamma 2 isoforms in human adipose ti
A;Reference number: PC4290; MuID:97289627; PMID:9144532
A;Reference number: PC4290; MuID:97289627; PMID:9144532
A;Molecule type: mRNA
A;Residues: 1-141 < YAN>
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47.5%; Score 47; DB 2; Length 591;
Best Local Similarity 55.6%; Pred. No. 40;
Matches 10; Conservative 1; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 47.5%; Score 47; DB 2; Length 591; Best Local Similarity 55.6%; Pred. No. 40; Matches 10; Conservative 1; Mismatches 7; Indels
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227 FNSYKLEPKNPVP 239
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Cispecies: Juphocytic choriomeningitis virus
Cispecies: Juphocytic choriomeningitis virus
Cibacesion: A32592
Risalvato, M.S.; Shimomaye, E.M.
A;Title: The completed sequence of lymphocytic choriomeningitis virus reveals a unique RA;Reference number: A32592; MUID:90051057; PMID:2510401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Molecule type: genomic RNA
A;Residues: 1-90 62ML-
A;Cross-references: UNIPROT: P18541; UNIPARC;UP1000013C42E; GB:M27693; NID:g331385; PIDN:
C;Comment: This protein may act as an RNA-binding protein.
                                                                                                                                                                                    A;Description: dimethylation of two adjacent adenosines from the 3' end of the 18SrRNA C;Superfamily: dimethyladenosine transferase (rRNA adenosine dimethyltransferase) C;Keywords: methyltransferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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A;Residues: 1-315 <HOU>
A;Cross-references: UNIPARC:UPI0000169141; EMBL:Z68293; PIDN:CAA92585.1
C;Genetios:
A;Note: DIM1
C;Function:
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49.0%; Score 48.5; DB 2; Length 315;
Best Local Similarity 50.0%; Pred. No. 12;
Matches 8; Conservative 5; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 47.5%; Score 47; DB 2; Length 257; Best Local Similarity 61.5%; Pred No. 15; Matches 8; Conservative 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 48.5%; Score 48; DB 1; Length 90; Best Local Similarity 61.5%; Pred. No. 3.3; Matches 8; Conservative 1; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Map position: segment L
C;Superfamily: zinc finger protein, Arenaviridae type
C;Keywords: RNA binding; zinc finger
F;32-54/Region: zinc finger CCCC motif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                201 VRIEPKNPPPPLAFEE 216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5 IKLEPENPPP---YEE 17
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78 ISTAPSSPPPYEE 90
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2 YDSIKLEPENPPP 14

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Search completed: March 23, 2006, 16:49:13 Job time : 39 secs
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Crispecies: Caenorhabditis elegans
Crispecies: Caenorhabditis elegans
Crispecies: Caenorhabditis elegans
Crispecies: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004
Criscession: R69418
R; anonymous, The C. elegans Sequencing Consortium.
Science 282, 2012-2018, 1998
A; ritle: Genome sequence of the nematode C. elegans: a platform for investigating biolog
A; ritle: Genome sequence of the nematode C. elegans: a platform for investigating biolog
A; ritle: Genome sequence of the NulD:99069613; PMID:9801918
A; Reference number: A75000; MUID:99069613; PMID:9801918
A; Rocession: R69418
A; Rocession: R69418
A; Rocession: R69418
A; Rocession: R69418
A; Rosidues: DNA
A; Rosidues: 1-156 <STO>
Cricoss-references: UNIPROT:Q9XTZ7; UNIPARC:UPI000078CEC; GB:chr_V; PIDN:CAB07310.1; PI
Cricoss-references: UNIPROT:Q9XTZ7; UNIPARC:UPI000078CEC; GB:chr_V; PIDN:CAB07310.1; PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Basham, V.
submitted to the EMBL Data Library, March 1997
submitted to the EMBL Data Library, March 1997
A; Recension: T1875
A; Recension: T1875
A; Relatus: preliminary; translated from GB/EMBL/DDBJ
A; Rolecule type: NDA
A; Molecule type: NDA
A; Rolecule type: UNIPROT:Q9XTZ7; UNIPARC:UPIO000078CEC; EMBL; Z92824; PIDN:CAB07310.1;
C; Genetics:
A; Genetics:
A; Genetics:
A; Thirrons: 86/1; 123/1; 149/1
A;Cross-references: UNIPARC:UP1000017A1C6; DDBJ:D83136
A;Experimental source: fat
C;Comment: This protein is a nuclear receptor, and plays roles in adipogenesis, adipocyt
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hypothetical protein B0413.7 - Caenorhabditis elegans (fragment)
Cispecies: Caenorhabditis elegans
Cispecies: Caenorhabditis elegans
Cipate: 15-0ct-1999 #sequence_revision 15-0ct-1999 #text_change 09-Jul-2004
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Best Local Similarity 63.6%; Pred. No. 12;
Matches 7; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
46.5%; Score 46; DB 2; Length 156;
Best Local Similarity 63.6%; Pred. No. 12;
Matches 7; Conservative 2; Mismatches 2; Indels
                                                                                                                           Query Match
46.5%; Score 46; DB 2; Length 141;
Best Local Similarity 57.1%; Pred. No. 11;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                  4 SIKLEPENPPPYEE 17
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102 AINFDPENPPP 112
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102 AINFDPENPPP 112
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A,Map position: 5
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G83853
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C;Species: Bacillus halodurans
C;Species: O1-Bc-2000
S;Date: O1-Bc-2000
S;Date: O1-Bc-2000
S;Coession: G83853
R;Takami, H; Nakasone, K;Takaki, Y; Maeno, G; Sasaki, R.; Masui, N.; Fuji, F.; Hiran Nucleic Acids Res. 28, 4317-4331, 2000
A;Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and S;Ritle: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and S;Ritle: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and S;Ritle: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and S;Ritle: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and S;Ritle: Casonic G83853
A;Residues: 1-330 c&TO-
A;Residues: 1-330 c&TO-
A;Residues: 1-330 c&TO-
A;Generics: A;Ge
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5.1.7	Biocceleration Ltd.
version 5.1.7	3 - 2006
GenCore	(c) 1993
	Copyright

	Search time 229 Seconds (without alignments)
OM protein - protein search, using sw model	March 23, 2006, 16:41:37; Search time 229 Seconds (without alignments)
OM protein - prote	Run on: Ma

US-09-830-972A-2_COPY_623_640 99	C. Company of the Control of the Con
Title: Perfect score:	
	t score:

1 SYDSIKLEPENPPYEEA 18 Sequence:

Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5

2166443 Total number of hits satisfying chosen parameters:

2166443 seqs, 705528306 residues

Searched:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

UniProt\_05.80:\*
1: uniprot\_sprot:\*
2: uniprot\_trembl:\* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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	Description	Q9jk11 rattus norv	Q80w95 mus musculu	Q8k290 mus musculu	Q7tnb7 mus musculu	Q8bgk7 mus musculu	<b>BUM</b>	mus	Q5dtk9 mus musculu	homo	Q8iua4 homo sapien	homo	homo	8ng					Q5maj0 gallus gall	dicentra	Q6jrv9 xenopus lae	Q6jrv2 xenopus lae	Q6jrv7 xenopus lae	Q5jbs0 xenopus lae	Q6jrv0 xenopus lae	Ofjrv8 xenopus lae	Q6jrv1 xenopus lae	Q60fb8 oncorhynchu				O61845 caenorhabdi
SUMMARIES	ID	RTN4 RAT	Q80W95 MOUSE	Q8K290 MOUSE	Q7TNB7 MOUSE	Q8BGK7_MOUSE	Q8BGM9 MOUSE	Q8K3G8_MOUSE	Q5DTK9 MOUSE	Q53RF4 HUMAN	Q8IUA4 HUMAN	RIN4 HUMAN	Q7L7Q8_HUMAN	Q61G16_PIG	Q9PW01_PLEPL	Q7T029_PLEPL	Q9W712 PLAFE	Q6RSS8_CHICK	QSMAJ0_CHICK	Q56TN5_DICLA	Q6JRV9_XENLA	Q6JRV2_XENLA	Q6JRV7_XENLA	Q5JBS0_XENLA	Q6JRV0_XENLA	Q6JRV8_XENLA	Q6JRV1_XENLA	Q60FB8 ONCMY	Q4RX32_TETNG	Q63ZQ9_XENLA	Q743Y7 MYCPA	O61845_CAEEL
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	Query Match Length	1163	578	639	720	1046	1162	1163	1245	818	986	1192	1192	250	532	532	532	658	1065	522	1013	1024	1032	1043	1043	1044	1055	188	552	2234	462	2957
d	Query Match	100.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	85.9	85.9	85.9	85.9	84.8	59.6	59.6	59.6	58.6	58.6	57.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	54.5	54.5	54.5	51.5	51.5
	Score	66	95	95	95	95	95	95	95	82	82	82	85	84	29	29	29	28	28	57	26	26	26	26	26	26	26	54	54	54	51	51
	Result No.	1	7	m	4	ιΩ	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

50         50.5         358         2         QGLR12_PHOPR         QGLI12_photobacter           50         50.5         392         2         QSSMPB_CRYNE         QSSMPB CTYPLOCOCCU           50         50.5         392         2         QSTRNE         QSSMPB CTYPLOCOCCU           50         50.5         40.1         2         QGCRSG_VARLI         QGCCRG VATCOCCU           50         50.5         44.2         DRARR         QGCCRG VATCOCCU         QSSMPB CCRCWIA IN INCOCCU           50         50.5         44.2         DRARR         QGCCRG VATCOCCU         QSSMB DATCOCCU           50         50.5         51.5         QBMZT9_DRONE         QBMZT9_DRONE         QST0           50         50.5         51.8         2         QSTLMA_CABR         QSTV56         LTYPADOSOMA           50         50.5         51.2         2         QSTLMA_CABR         QSTV56         LTYPADOSOMA           49         49.5         21.2         QSSL11         THETE         QSSL11         THETE           49         49.5         31.2         QSTLMA_THETE         QSTL         QSSL11         THETE           49         49.5         32.8         2         QLLAJ         QSTL	HIT GARLD, GARDD, GARDD, GARDD, CEABLED, GARDDARD, GARDDS, GARDDARD, GARDDS, GARDDAS, GARDDAS	- SUBCELLULAR LOCATION: Integral membrane protein. Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains (By similarity) ALTERNATIVE PRODUCTS: EVENT-ALTERNATIVE PRODUCTS:
UUUUUUUUUU 44444 UUUUUUUUUUU 44444	RESULT 1.10	58888

```
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mamalia; Eutheria; Euteria; Eurechontoglires; Glires; Rodentia; Sciurognathi; Muridae; Mutinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match 96.0%; Score 95; DB 2; Length 578; Local Similarity 94.4%; Pred. No. 2.5e-05; nes 17; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                       01-UTN-2003 (TrEMBLrel. 24, Created)
01-UTN-2003 (TrEMBLrel. 24, Last sequence update)
01-UTN-2003 (TrEMBLrel. 25, Last annotation update)
Nogo-A (Fragment).
Nome-Rth4; Synonyms-Nogo-A;
Musme-Rth4; Gynonyms-Nogo-A;
Musmusculus (Mouse).
080095 MOUSE

D 080095 MOUSE PRELIMINARY;

AC 080095;

DT 01-JUN-2003 (TERMELTE1. 24,

DT 01-JUN-2003 (TERMELTE1. 25,

DT 01-JUN-2003 (TERMELTE1. 25,

DT 01-JUN-2003 (TERMELTE1. 25,

DT 01-CCT-2003 (TERMELTE1. 25,

DR Name=RELH; Synonyms=NGO-1,

C ENARTYOETS (MOUSE).

C MARTIAGAE, MUTINAE, MUS.

C MARTIAGAE, MUS.

C MULEOTIDE SEQUENCE.

RA TOZAK! H., HITATA T.;

R NUCLEOTIDE SEQUENCE.

RA TOZAK! H., HITATA T.;

R NUCLEOTIDE SEQUENCE.

RA TOZAK! H., HITATA T.;

DR GO, GO:0000515; R. C:cell projection bing GO; GO:0004295; C:cell soma,

DR GO; GO:000515; P:protein bing GO; GO:0001525; P:protein bing GO; GO:0001525; P:protein bing GO; GO:0001539; P:neurogenee

DR GO; GO:0001539; P:neurogenee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Detween the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AF051335; AAF01564.1; -; mRNA.

EMBL; AA724962; CAB71027.1; -; mRNA.

EMBL; AA724962; CAB71028.1; -; mRNA.

EMBL; AA724962; CAB71028.1; -; mRNA.

EMBL; AA722045; CAB71029.1; -; mRNA.

EMBL; AF132046; AAD31019.1; -; mRNA.

CO; GO:0016021; C:integral to endoplasmic reticulum membrane; IDA.

CO; GO:0016021; C:integral to membrane; ISS.

CO; GO:001987; P:integral to membrane; ISS.

CO; GO:001988; P:integral to membrane; ISS.

CO; GO:001988; P:integral to 
                                                                                                                                 Name=3; Synonyme=10g=-C, VP20;
Isold=09JXX11-3; Sequence=VSP_005656, VSP_005657;
Name=4; Synonymes=Foocen-M2;
Isold=09JXX11-4; Sequence=VSP_005659;
Isold=09JXX11-4; Sequence=VSP_005699;
Isold=09JXX11-4; Sequence=VSP_005699;
Isold=09JX11-4; Sequence=VSP_00699;
Isold=09JX11-4; Sequence=VSP_006999;
Isold=09JX11-4; Sequence=VSP_009JX11-4; Sequence=VSP_009JX11-4; Sequence=VSP_009JX11-4; Sequence=VSP_009JX11-4; Sequence=VSP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /FTId=VSP_005657.
Missing (In Ref. 3; AAD31020)
W; 8CB894B09E94F0B6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Oycential.
Cytoplasmic (Potential).
Reficulon.
Poly-Glu.
Poly-Ala.
Missing (in isoform 3).
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/FTIG=VGP 005656.
Missing (in isoform 2).
/mrd=VGP_005658.
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           Name=1; Synonyme=Nogo-A, NI-220-250;
Isold=09XAI1-1; Sequence=Displayed;
Name=2; Synonyme=Nogo-B, Foocen-M1;
Isold=09XII-2; Sequence=0x9P 005658;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Missing
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1163 AA; 126388 MW;
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COMPBIAS
VARSPLIC
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Gaps ö

578 AA; 63696 MW; 832670C171E4AC61 CRC64;

1 SYDSIKLEPENPPPYEEA 18

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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi;
Mammalia; Butheria, Buarchontoglires, Glires; Rodentia; Sciurognathi;
Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                     01-0CT-2002 (TrEMBirel. 22, Created)
01-0CT-2002 (TrEMBirel. 22, Last sequence update)
01-0CT-2004 (TrEMBirel. 26, Last annotation update)
                                                                                                                                                                                                                  639 AA.
40 SYDGIKLEPENPPPYEEA 57
                                                                                                                                               RESULT 3
QBK290 MOUSE
ID QEK290_MOUSE PRELIMINARY;
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Name=Rtn4;
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STEALNI-C57B/(6, TISSUE=Erain;
NUCLEOTIDE SEQUENCE.

STEALNI-C57B/(6, TISSUE=Erain;
MEDLINE=22388257; Pubmed=1247932; DOI=10.1073/pnas.242603899;
KETANISE-22388257; Pubmed=12477932; DOI=10.1073/pnas.242603899;
KIAURNEE R.L., Colling F.S., Wagner L., Shemmen C.M., Schuler G.D.,
Altechul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heiteh F.,
Diatchenko L., Marusham K., Farmer A.A., Rubin G.M., Hong L.,
Blachenko L., Marusham K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Raha S.S., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gabbs R.A.,
Nillalon D.K., Muzny D.M., Sodergren E.J., Lu X., Glbbs R.A.,
Whitling M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Rackering M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Chimwood J., Schmutz J., Marrs R.M.,
Schnerch A., Schein J.B., Jones S.J.M., Marra M.A.,
R. Generation and initial analysis of more than 15,000 full-length human
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Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein.
Musmesculus (Mouse).
Musmaculus (Mouse).
Rukaryote, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Muridae; Murinae; Buteleostomi; Muridae; Murinae; Musmesculus (Muridae; Murinae; Sciurognathi; Muridae; Murinae; Mus.
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                                                                                                               NUCLEOTIDE SEQUENCE.
STRAIN=FUR/N; TISSUE=Mammary tumor. C3;
Strain=Fur/N; TISSUE=Mammary tumor. C3;
Strain=Fur/N; TISSUE=Mammary tumor. C3;
Submitted (10N-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BC02192; AAB132122.1; -; mRNA.
MGI; MGI:1915835; Rtn4.
C0; G0:0042995; C:cell projection; IDA.
C0; G0:0042995; C:cell projection; IDA.
C0; G0:0005515; P:protein binding; IPI.
C0; G0:0005515; P:protein binding; IPI.
C0; G0:000599; P:neurogenesis; IDA.
InterPro; IPR003388; Reticulon.
PFGm; PF02453; Reticulon;
PROSITE; PS06445; RETICULON; 1.
SEQUENCE 639 AA; 70312 MW; 309A19DA37603F11 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 639;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match

Local Similarity 94.4%; Pred. No. 2.8e-05;
Les 17; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 720 AA.
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STRAIN=C57BL/6; TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q7TNB7 MOUSE PRELIMINARY;
Q7TNB7;
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TRAIN=129/8vcJ7, and 1298vcJ7, and Market Pubmed=12480807, DOI=10.1016/S0022-2836(02)01179-8, DOI-10.1016/S0022-2836(02)01179-8, DOI-10.1016/S0022-2836(02)01179-8, DOI-10.1016/S0022-2836(02)01179-8, DOI-10.1016/S0022-2836
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Mus musculus (Mouse)
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Muridae; Murinae; Mus.
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Cabbarted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
Labbarted (FEB-2005) AMM73502.1; -; mRNA.
REMEL, AX102206; AAM73502.1; -; Genomic_DNA.
REMEL, AX102206; AAM73507.1; -; Genomic_DNA.
REMEL, AX102206; Ecall and musculus.
Remal, Relative Remal (Color) (Color)
A Strausberg R.; Labarited (AUG-2003) to the EMBL/GenBank/DDBJ databases. Labarited (AUG-2003) to the EMBL/GenBank/DDBJ databases. RMG1; BCO56373; AAH56573.1; -; mRNA. RGJ; GC06042055; C:cell projection; IDA. RGJ; GC06042055; C:cell some; IDA. RGJ; GC1005783; C:endoplasmic reticulum; IDA. RGJ; GC10005783; C:endoplasmic reticulum; IDA. RGJ; GC10005515; P:protein binding; IPI. GGJ; GC1007399; P:neurogenesis; IMP. RGJ; GC1007399; P:neurogenesis; IDA. RGJ; GC1007599; GC1007599; P:neurogenesis; IDA. RGJ; GC1007599; P:neurogenesi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         96.0%; Score 95; DB 2; Length 720; 94.4%; Pred. No. 3.2e-05; ive 0; Mismatches 1; Indels
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NUCLEOTIDE SEQUENCE.
STRAIN=129/SvcJ7;
Van der Putten H.;
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLECTIDE SEQUENCE.
STRAIN=1298vcJ7;
Van der Putten H., Mir A.;
Submitteed (MAY-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-WAR-2003 (TrEMBLrel. 23, Created)
01-WAR-2003 (TrEMBLrel. 23, Last sequence update)
10-WAY-2005 (TrEMBLrel. 30, Last annotation update)
RTN4 (Reticulon 4).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT; 1046 AA.
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J. Mol. Biol. 325:299-323(2003).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 94.4%;
les 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           QBBGK7 MOUSE PRELIMINARY;
QBBGK7;
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MOUSE

RESULT 6 Q8BGM9 ID Q8

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Koga H.; ...,

Kogo H
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DT 10-MXY-2005 (TrEMBLrel. 30, Last sequence update)
DT 10-MXY-2005 (TrEMBLrel. 30, Last sequence update)
DT 10-MXY-2005 (TrEMBLrel. 30, Last sequence update)
DF MXT-2005 (TrEMBLrel. 30, Last annotation update)
DF MXT-2005 (Treagment)
GN Num anscoulus (Mouse)
CN Num anscoulus (Mouse)
CN Num anscoulus (Mouse)
CN Mammalia; Butheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
CN MITIGAE; Murinae; Mus.
CN MITIGAE; Murinae; Mus.
CN MITIGAE; Murinae; Mus.
CN MITIGAE; MUS.
CN MUS.
CN MITIGAE; MUS.
CN MITIGAE; MUS.
CN MITIGAE; MUS.
CN MITIGAE; MUS.
CN MITI
                                                                                                                                                                                                                                                                                                          Mus musculus (Mouse).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Bummalia; Butheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;

Muridae; Murinae; Mus.
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TISSUE=Fetal brain;
Okazaki N., Kikuno R.F., Ohara R., Inamoto S., Nagase T., Ohara O.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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STRAIN=BALB/C;

A din W., Long M., Li R., Ju G.;

A din W., Long M., Li R., Ju G.;

L. R., Long M., Li R., Ju G.;

L. Bubi, AVII4152; AAM77068.1; -; mRNA.

R MGI.1916363; Rth4.

R GO; GO:0043025; C:cell projection; IDA.

R GO; GO:0043025; C:cell projection; IDA.

R GO; GO:0005783; C:endoplasmic reticulum; IDA.

R GO; GO:0001525; P:procein binding; IPI.

R GO; GO:0001525; P:procein binding; IPI.

R GO; GO:0001529; P:neurogenesis; IMP.

R GO; GO:0007539; R:endiculon.

R FRem; PF00453; Reticulon.

R PROSITE; RP04545; RETICULON; 1.

R RROSITE; RESICULON; 1.

R RROSITE; RSTICULON; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 96.0%; Score 95; DB 2; Length 1163; Local Similarity 94.4%; Pred. No. 5.5e-05; lost 17; Conservative 0; Mismatches 1; Indels
                                                OSK3G87
01-0CT-2002 (TrEMBLrel. 22, Created)
01-0CT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
PRT; 1163 AA.
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GÉDTKS MOUSE

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OSDTKS

DT 10-MAY-2005 (TTEMBLIEL) 30, 10-MAY-2005 (TTEMBLIEL) 30, 11-MAY-2005 (TTEMBLIEL) MAY-2005 (TTEMBLIEL)
     Q8K3G8_MOUSE PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         [1]
NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                         Nogo-A.
Name=Rtn4;
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Matches
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MEDLINE=229/SVCJ7, bubMed=12488097; DOI=10.1016/S0022-2836 (02)01179-8;

MEDLINE=239/SFGF0; bubMed=12488097; DOI=10.1016/S0022-2836 (02)01179-8;

MEDLINE=2376540; bubMed=12488097; DOI=10.1016/S0022-2836 (02)01179-8;

MEDLINE=129/SVCJ7, and der Putten H., Schwab M.B.;

"Genomic structure and functional characterisation of the promoters of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ol-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
10-MAR-2003 (TrEMBLrel. 30, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
RTM4 (Reticulon 4).
Mane=RtM4, ORR/mans=RP23-17605.4-005;
Mus musculus (Mouse).
                                                                                                                                                                  Gaps
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R EMBL; AX102284; AAM73506.1; -; mRNA.

EMBL; AX102284; AAM73511.1; -; Genomic_DNA.

R EMBL; AX1023971; CA124273.1; -; Genomic_DNA.

R EMBL; AL929371; CA124273.1; -; Genomic_DNA.

R MG1; MG1:1915835; Rtn4.

R MG1; MG1:1915835; Rtn4.

R GG; GG:004395; C:cell projection; IDA.

R GG; GG:0043025; C:cell some; IDA.

R GG; GG:005518; P:protein binding; IPI.

R GG; GG:0005185; P:protein binding; IPI.

R GG; GG:0005199; P:neurogenesis; IDA.

R GG; GG:0007399; P:neurogenesis; IDA.

R R GG; GG:0007389; Reticulon.

R PEGM; PP02453; Reticulon.

R PEGM; PP02453; Reticulon.

R PEGM; PR04548; RETICULON; 1.
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Local Similarity 94.4%; Pred. No. 5.5e-05;
les 17; Conservative 0; Mismatches 1; Indels
                                                      Query Match
96.0%; Score 95; DB 2; Length 1046;
Best Local Similarity 94.4%; Pred. No. 4.9e-05;
Matches 17; Conservative 0; Mismatches 1; Indels
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Van der Putten H.;
Submitted (MAr-2002) to the EMBL/GenBank/DDBJ databases.
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Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT; 1162 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            human and mouse nogo/rtn4.";
J. Mol. Biol. 325:299-323(2003).
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NUCLEOTIDE SEQUENCE.
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STRAIN=129SvcJ7

Query Match Best Local S Matches 17

RESULT 7
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MEDIJNE-22376540, Pubmed=12488097, DOI=10.1016/S0022-2836(02)01179-8; MEDIJNE-22376540, Pubmer C., van der Putten H., Schwab M.E.; Genomic structure and functional characterisation of the promoters of human and mouse nogo/ruch."; J. Mol. Biol. 325:299-323(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 44), Last sequence update)
13-EEB-2005 (Rel. 46, Last annotation update)
13-EEB-2005 (Rel. 46, Last annotation update)
Reticulon 4 (Neurite outgrowth inhibitor) (Nogo protein) (Foocen)
Reticulon 5 (Neuroendocrine specific protein) (NSP) (Neuroendocrine specific protein) Chomolog) (RTN-x) (Reticulon 5)
Name=RTN4; Synonyms=ASY, KIAA0886, NOGO; ORFNames=My043, SP1507;
Homo saplens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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MEDLINE-2012924-3; PURMed-16667780, DOI-E.0.1038/35000287;
PRINI)ha R., Moore S.E., Vinson M., Blake S., Morrow R., Christie G., Michalovich D., Simmons D.L., Walsh F.S.;
"Inhibitor of neurite outgrowth in humans.";
Nature 403:3847-3000).
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Q9NQG3; O94962; Q9BXGS; Q9H212; Q9H313; Q9UQ42; Q9X293; Q9Y2Y7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lasobariesula, Calwab M.E.; Che EMBL/GenBank/DDBJ databases. Lasubmitted (MAX-2002) to the EMBL/GenBank/DDBJ databases. REMBL; AX1022345, AAM64251.1; "Genomic_DNA. REMBL; AX102345, AAM64251.1; "mRNA. REMBL; AX123249; AAM64251.1; "mRNA. REMBL; AX123249; AAM64252.1; "mRNA. REMBL; AX123249; AAM64252.1; "mRNA. REMBL; AX123249; AAM64254.1; "mRNA. REMBL; AX123249; AAM64254.1; "mRNA. REMBL; AX123245; AAM64254.1; "mRNA. REMBL; AX123245; AAM64264.1; "mRNA. REMBL; AX123245; AAM64264.1; "mRNA. REMBL; AX123245; REMECTION." I. "REMBL; RATISTORY RETICULON; I. "REMBL; RATISTORY RETICULON; I. "REMBL; REGICULON." II. "REMBL; REGICULON." I. "REMBL; REGICULON." II. "REMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match 85.9%; Score 85; DB 2; Length 986; Best Local Similarity 83.3%; Pred. No. 0.0014; Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                  Van der Putten H.;
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
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                                                                 NUCLEOTIDE SEQUENCE.
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TISSUE=Testis;
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                                                                                                                                                                                                                                                                                                                                            TISSUE-Testis,
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       NA KARAKA KARAKA
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OBIUMA HUMAN PRELIMINARY; PRT; 986 AA.

OBIUMA 1.

OL MAR-2003 (TERMELREL. 23, Created)

OL-MAR-2003 (TERMELREL. 29, Last sequence update)

OL-FEB-2005 (TERMELREL. 29, Last annotation update)

OL-FEB-2005 (TERMELREL. 29, Last annotation update)

RNT4 (RIN4 isoform Ab) (RTN4 isoform D) (RTN4 isoform E) (RTN4 isoform F) (RTN4 isoform G) (RTN4 isoform Ab).

Name-RTN4;

Homo sapiens (Human).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota; Metazoa; Chordata; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                            Gaps
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                                                                                                                          Length 1245;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Wilson R.K.; Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases. EMBL, AC092461; AAX93116.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kozlowicz A., Wang C.;
"The sequence of Homo sapiens BAC clone RP11-232122.";
Submitted (UTL-2001) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Waterston R.H.;
Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases
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Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases
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818 AA; 89515 MW; A04F9AD5AFDF6433 CRC64;
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Hypothetical protein RTN4 (Fragment).
                                                                                                                       Query Match 96.0%; Score 95; DB 2; Best Local Similarity 94.4%; Pred. No. 6e-05; Marches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    818 AA.
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PROSITE; PS50845; RETICULON; 1.
                                                                                                                                                                                                                                                  1 SYDSIKLEPENPPYEEA 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q53RF4 HUMAN PRELIMINARY;
Q53RF4;
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NUCLEOTIDE SEQUENCE.
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NUCLECTIDE SEQUENCE [LARGE SCALE WRNA] (ISOFORMS 2 AND 3).

NUCLECTIDE SEQUENCE [LARGE SCALE WRNA] (ISOFORMS 2 AND 3).

NUCLECTIDE SEQUENCE [LARGE SCALE WRNA] (ISOFORMS 2 AND 3).

TISORE-ETAIN, Eye, Ovary, Pancreas, Placenta, and Skeletal muscle;

AMBULINE-22388627; PubMed-12477923; DOI-1010719790399;

ASTAURSER, Feingold E.A., Grouse L.H., Derge J.G.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Braphetom M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Mullahy S.J.,

Broak S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Ginbar R.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,

Pahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Blakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Bulterfield Y.S.N., Krzywinski MI.J., Skallska U., Smallus D.E.,

Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.,

Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gu J.; "Large-scale cDNA transfection screening for genes related to cancer
                                                                                                                                                                                                                     Jin W.-L., Ju G.; "Developmentally-regulated alternative splicing in a novel Nogo-A."; Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
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MEDLINE=9156210; PubMed=10048485;

MEDLINE=9156210; PubMed=10048485;

MAYDAINE N., Tanaka M.-1., Suyama M., Kikuno R., Hirosawa M.,

Mayajima N., Tanaka A., Kotani H., Nomura N., Ohara O.;

Prediction of the coding sequences of unidentified human genes. XII

The complete sequences of 100 new cDNA clones from brain which code
for large proteins in vitro.";

DNA Res. 5:355-364(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      [8]
NUCLECTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 3).
NUCLECTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 3).
NUMBOL 169874, DOI=10.1073/pnas.0404089101;
NAN D., GONG Y., QIN W., Zhang P., Li J., Wel L., Zhong P., Li H., Quo W., Yang Yang G., Jiang H., Qian L., Yu Y., Shu H., Chen X., Xu H., Guo M., Pan Z., Chen Y., Ge C., Yang S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUE-Pituitary; Son J., Huang Q., Dai M., Mao Y.M., Yu Y., Xu Song H., Peng Y., Zhou J., Huang Q., Dai M., Mao Y.M., Yu Y., Xu Luo B., Hu R., Chen J.; "Human neuroendocrine-specific protein C (NSP) homolog gene."; Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
          [3]

MEDLINE-20237542; PubMed=10773680;

MEDLINE-20237542; PubMed=10773680;

Yang J., Yu L., Bi A.D., Zhao S.-Y.;

Assignment of the Numan retriculon 4 gene (RTN4) to chromosome 2p44--2p13 by radiation hybrid mapping.";

Cytogenet. Cell Genet. 88:101-102(2000).
                                                                                                                                                                                                                                                                                   [5]

NUCLECTURE SEQUENCE (ISOFORMS 2 AND 3).

TISSUE-Placenta, and Skeletal muscle;

Ito T., Schwartz S.M.;

"Cloning of a member of the reticulon gene family in human.";

submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Yutsudo M.;
Insolation of a cell death-inducing gene.";
Submitted (UUN-1998) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         development and progression.";
Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1).
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                                                                                                                                                                                       NUCLEOTIDE SEQUENCE (ISOFORM 4).
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PREVIEW.

REVIEW.

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REDITE=188956; PubMed=11891768; DOI=10.1002/jnr.10134;

REVIEW.

REDITE=288956; PubMed=11891768; DOI=10.1002/jnr.10134;

REPITED STATE STATE B.L.;

"Nogos and the Nogo-66 receptor: factors inhibiting CNS neuron

"regentration."

"Nogos and the Nogo-66 receptor: factors inhibiting day neuron

"Nogos and the Nogo-66 receptor: factors inhibiting day neuron

"Nogos and the Nogo-66 receptor: factors inhibiting day neuron

"Nogos and the Nogo-66 receptor: factors inhibiting day neuron

"Integrate to the mervous central system in adults."

"Integrate to the mercondria to the endoplasmic reticulum, from the mitrochondria to the endoplasmic reticulum, anchored to the membrane protein. Endoplasmic reticulum Anchored to the membrane of the endoplasmic reticulum creticulum Anchored to the membrane of the endoplasmic reticulum creticulum Anchored to the membrane of the endoplasmic reticulum creticulum creticulum retreative stolicing; Named isoforms=4;
                                                                                                                                                 NUCLECATIDE SEQUENCE [LARGE SCALE MENA] (ISOFORM 3).

TISSUE-Umbilical cord blood;

TISSUE-Umbil
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TISSUE-Brain;
MEDLINE-21069055; PubMed=11201742; DOI=10.1038/35053072;
Fournier A.B., GrandPre T., Strittmatter S.M.;
"Identification of a receptor mediating Nogo-66 inhibition of axonal regeneration.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           [12]
NUCLEOTIDE SEQUENCE [LARGE SCALE MENA] OF 482-1192 (ISOFORMS 1/4).
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MISSUE-BRAIN,
MISSUE-20129259, PubMed=10667797, DOI=10.1038/35000226;
GrandPre T., Nakamura F., Vartanian T., Strittmatter S.M.;
GrandPre T., Nakamura F., Vartanian T., Strittmatter S.M.;
"Identification of the Nogo inhibitor of axon regeneration as a Rettuend protein.";
Nature 444(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SIMILARITY: Contains 1 reticulon domain. CAUTION: Ref.11 sequence differs from that shown due to
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Brentralternative splicing; Named isoforms=4;
Name=1; Synonyms=RTN 4A, Nogo-A, RTN-XL;
Isold=Q9NQ3-1; Sequence=Displayed;
Isold=Q9NQ3-2; Sequence=VSP_00565;
Name-21; Synonyms=RTN 4C, Nogo-C, Foocen-B;
Isold=Q9NQC3-3; Sequence=VSP_005652, VSP_005653;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUB=Fetal brain;
Mao Y.M., Xie Y., Zheng Z.H.;
Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sha J.H., Zhou Z.M., Li J.M.;
Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
and mouse cDNA sequences."; Proc. Natl. Acad. Sci. 0.8.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE OF 186-1192 (ISOFORM 1)
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Genome Res. 10:1546-1560(2000).
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QGIG16 PIG PRELIMINARY;
QGIG16;
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                                                          This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini, Hominidae,
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MEDLINE=22376540; PubMed=12488097; DOI=10.1016/S0022-2836(02)01179-8;
Oertle T., Huber C., van der Putten H., Schwab M.B.;
Genomic structure and functional characterisation of the promoters of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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83.3%; Pred. No. 0.0017;
iive 2; Mismatches 1; Indels
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Pred. No. 0.0017;
2; Mismatches 1; Indels
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Van der Putten H.;

Van der Putten H.;

Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AX102285; AAM64243.1; -; Genomic_DNA.

EMBL; AX102279; AAM64248.1; -; mRNN.

EMBLY AX102279; AAM64248.1; -; mRNN.
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frameshifts in positions 1149 and 1156
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les 15, Conservative
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es 15; Conservative
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Q7L7Q8 HUMAN PRELIMINARY;
Q7L7Q8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AF148537; A.
EMBL; AF148538; A.
EMBL; AF180999; A.
EMBL; AF12047; A.
EMBL; AF12047; A.
EMBL; AF13048; A.
EMBL; AR075639; A.
EMBL; AR075639; A.
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NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                 EMBL; AJ251383;
EMBL; AJ251384;
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Best Local S
Matches 15
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Matches
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RESULT 13

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10 OGIGIGE PIO PRELIMINARY; PRT; 250 AA.

ACCOUNTY AND CONTRACTOR (TEMBLES) 27, Created)

DE GIOLIS, CONTRACTOR (TEMBLES) 27, Last annotation update)

DE GIOLIS (TILIS) 2124 (7003)

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Name=pparg;

Delaronectes plateasa (Plates).

Delaronectes plateasa (Plates).

Delaronectes plateasa (Plates).

Delaronectes plateasa; Chocata; Craniata; Vertebrata; Euteleosten;

Actinopterygii; Neopterygii; Teleostel; Euteleostel; Neoteleostel;

Carathomorpha; Acanthopterygii; Teleostel; Euteleostel;

NCHI TAXID=8262;

NCHI TAXID=82622;

NCHI TAXID=82
PRINTS; PRO0047; STROIDFINGER.
PRINTS; PRO0350; VITAMINDR.
PRODOWN; PRO0350; VITAMINDR.
PRODOWN; PRO0039; ZnE C4; 1.
SWART; SW00399; ZnE C4; 1.
PROSITE; PS00031; NGCLEAR REC DBD 1; 1.
PROSITE; PS00031; NGCLEAR REC PROFIT; Procedin; Receptor; Transcription; Transcription; Equal 2 Zinc-finger.
SEQUENCE 532 AA; 60410 MM; 19D73F21B3FD9CB8 CRC64;
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01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-0CT-2004 (TrEMBLrel. 26, Last annotation update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Peroxisome proliferator-activated receptor gamma.
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Q7T029;
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Q7T029 PLEPL
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Qy 2 YDSIKLEPENPPPYEEA 18
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Db 97 HNSIKMEPESPPQYSDS 113
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Search completed: March 23, 2006, 16:48:29
Job time : 231 secs

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

OUTGOWNER

SUMMAKIES	Desc	Aay71335		Adp45547 Rat	Adz07584 Rat	AAY71400 Rat Nogo	AAY71390 Rat Nogo	Rat	Rat	Rat	Aay71388 Rat	Aay71394 Rat	Aay71387 Rat	AAY71399 Rat Nogo	Rat	Aay71386 Rat	Ado26415	AAY71391 AAY71391 Rat Nogo	ADO26414 Rat trunc	AAY71562 Rat Nogo	Rat	Rat	AAY71310 Aay71310 Rat neur	
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,	Query Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
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		Rat NogoA	Mus muscu	Mouse Nog	Mouse pol	Human Nog	Human Nog	Nogo-A	Human NiG	Human NiG	Human NOG	Human sec	Human BG1	Human NiG	Human NiG	Human sec	Human BAC	Human MDD	Human neu	Human MAG	٠						
Ado26399	Adp45572	Adz07609	Adt 89537	Ads99349	Ado08105	Adp45552	_	Ada08167	Adp45570	Adz07607	σ		N		Adz07590	Aay95012	Ady70654	Abu11573	Aay71311	Aay56967							
ADO26399	ADP45572	ADZ07609	ADT89537	ADS99349	AD008105	ADP45552	ADZ07589	ADA08167	ADP45570	ADZ07607	AEB08799	AAW58383	AAB90682	ADP45553	ADZ07590	AAY95012	ADY70654	ABU11573	AAY71311	AAY56967		ALIGNMENTS			AA.		
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66	66	66	95	95	95	85	85	85	85	85	85	85	85	85	85	85	82	82	85	82			-		1335	AAY71335;	02-NOV-2000
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45			RESULT	171	AA EX		02 01 01 02

Bovine P472 peptide for antisera production.

Bovine; neurite growth inhibitor; Nogo; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiprolifectative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperprolifectative disorder; banjan dyspcoliferative disorder; diagnosis; psorviais; tissue hypertroph; neuronal regeneration; treatment; structural plasticity; screening; P472 peptide; AS 472; antiserum

вов вр.

WO200031235-A2.

02-JUN-2000.

99WO-US026160. 05-NOV-1999; 98US-0107446P. 06-NOV-1998;

(SCHW/) SCHWAB M E. (CHEN/) CHEN M S.

Schwab ME, Chen MS;

WPI; 2000-400052/34.

Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.

Claim 22; Page 59; 122pp; English.

The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively inhibitory activity are used in tragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulioblastoma, craniopharyngioma, espendyoma, pinealoma, haemangioblastoma acoustic neuroma oligodendrogiloma, menagioma, neuroblastoma or retinoblastoma and

Claim 23; Page 47; 93pp; English.

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degenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases.

Therapeutics which promote Nogo activity can be used to treat or prevent the properties which promote Nogo activity classes or prevent the properties of the prevent of the properties of the prevent of the prevent of the properties of the prevent of the condition of the condition of Nogo protein to induce regeneration of the cusom of the theorem or to promote structural plasticity of the CNS in disorders where neurons or to promote structural plasticity of the CNS in disorders where neurons or to promote structural plasticity of the CNS in disorders where neuron the growth, regeneration or maintenance are deficient or desired. The can prevent disorders and to screen for or test molecules which can be used in disorders or diseases of the CNS. The present sequence is a bownine peptide P47 used for antiserum 472 (AS 472) production. This peptide is similar to rat Nogo protein fragment corresponding to residues to say with three mismatches. Note: The present sequence is designated as SEQ ID NO: 33 in the specification. However, in claim 22, SEQ ID NO: 33 in the specification does not include sequences for referred in claim 32 and SEQ ID NO: 29 in disolosure of the capture of the specification does not include sequences for these SEQ ID numbers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nerve regeneration; neuroprotection; neuronal degeneration; CNS; PNS; central nervous system; peripheral nervous system; tranquillizer; Nogo; vulnerary; cerebroprotective; anti-tumour; antidiabetic; antioonvulsant; nootropic; antiparkinsonian; opthalmological; analgesic; hepatotropic; osteopathic; vasotropic; rephrotropic; cytostatic; antigen; gene therapy; neurotransmitter receptor; rat; receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Promoting nerve regeneration and preventing neuronal degeneration in the central/peripheral nervous system from injury/disease, comprises administering nervous system-specific activated T cells/antigen, or analogs/peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eisenbach-Schwartz M, Hauben E, Cohen IR, Beserman P, Mosonego A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                  Match 100.0%; Score 99; DB 3; Length 18; Local Similarity 100.0%; Pred. No. 2.9e-07; les 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rat Nogo-A p472 peptide (residues 623-640).
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98WO-US014715.
98US-00218277.
99US-00314161.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-JUN-2001; 2001US-00893348.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-607255/65.
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                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18 AA;
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21-JUL-1998;
22-DEC-1998;
19-MAY-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABB81075;
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Matches
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The invention relates to promoting nerve regeneration or conferring contenting and preventing or inhibiting neuronal degeneration in the contral/peripheral nervous system (NS). The method involves administering contral/peripheral nervous system (NS) appecific antigen or its analogue or the NS-specific antigen or its analogue or peptide, a nucleotide sequence the NS-specific antigen or its analogue or combinations. The method is useful for promoting nervous system or the minural degeneration in central/peripheral nervous system or from injury/disease, where the injury is spinal cord injury, blunt from injury/disease, where the injury is spinal cord injury, blunt cranged by surgery such as tumour excision. The disease is not an adegenerating in either gray or white matter or both. The disease is control ment of sease or neoplasm. The disease results in a degenerative categoric neuropathy, senile dementa, Alzahamer's disease, Parkinson's disease, facial nerve (Bell's) palsy, glaucoma, Huntington's chorea, amyotrophic lateral sclerosis, non-arteritic optic neuropathy, and contrast tumnel syndrome, peripheral cuttain deficiency, intervertebral dise hermitation, prion disease such contempathies associated with various diseases, including but not limited to uremia, porphyria, hypoglycemia, Sjorgen Lateson syndrome, acute to uremia, porphyria, hypoglycemia, Sjorgen Lateson syndrome, acute coursopathy, chronic ataxic neuropathy, biliary cirrhosis, primary complications of various drugs (e.g., metronidazole) and toxins consory neuropathy, chronic ataxia, amyloid polymeuropathies, complications of various drugs (e.g., metronidazole) and toxins consory relatedral, Friedreich's ataxia, amyloid polymeuropathies, complication's ataxia, amyloid polymeuropathies, prophyria ataxia, amyloid polymeuropathies, a perpitude configurate, or inpoproteinemia. The present sequence represents a peptide configuration of the rat neurotransmitter receptor protein Nogo-A, an example configurance or presents apperited and especific antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  binding molecule; human; NogoA; NiG; NiG-D20; NogoA_623-640;
nerve repair; neuroprotective; gene therapy;
central nervous system injury; CNS injury; neurodegenerative disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Schwab ME, Vitaliti A;
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100.0%; Score 99; DB 5; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.9e-07;
Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rat NogoA peptide fragment SEQ ID NO:1.
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(NOVS ) NOVARTIS PHARMA GMBH.
(UYZU-) UNIV ZUBRICH.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-SEP-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18 AA;
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The present invention describes a binding molecule which binds to human NogoA polypeptide, human NiG, human NiG-D20 or human NogoA 623-640 with a dissociation constant of less than 1000hm. Also described: (1) a polynuclectide encoding the binding molecule; (2) an expression vector or system comprising the polynuclectide; (3) a host cell comprising the expression system; (4) a pharmaceutical composition comprising the binding molecule and a carrier or diluent; and (5) treating diseases associated with nerve repair. The binding molecule has encroprotective activity, and can be used in gene therapy. The binding molecule is useful in preparing a composition for treating central nervous system (CNS) in judy or neurodegenerative disorders. The present sequence represents a rat NogoA peptide fragment, which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New binding molecule capable of binding to human NogoA polypeptide, human NiG, human NiG-D20, or human NogoA342-357, useful for treating nerve repair, Alzheimer's disease, Parkinson's disease, or amyotrophic lateral
                                                                  New binding molecule that binds to the human NogoA polypeptide, NiG-D20 or NogoA623-640, useful in preparing a composition for treating CNS injury or neurodegenerative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antibody; pharmaceutical; peripheral neuropathy; central nervous system disease; neurodegenerative disease; concurdegenerative disease; concurdegenerative disease; daibetic neurone disease; concular disease; diabetic retinopathy; age related macular degeneration; myopia; cns-gen; neuroprotective; noctropic; antiparkinsonian; antidiabetic; ophthalmological; NogoA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     h 100.0%; Score 99; DB 8; Length 18; Similarity 100.0%; Pred. No. 2.9e-06; Sep. 2.9e-07; Indels by Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Schwab ME, Vitaliti A;
                                                                                                                                            Example 3; SEQ ID NO 1; 121pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADZ07584 standard; peptide; 18 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mir AK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 SYDSIKLEPENPPPYEEA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 SYDSIKLEPENPPPYEEA 18
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(NOVS ) NOVARTIS PHARMA GMBH.
(UYZU-) UNIV ZURICH.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16-JUN-2005 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rat NogoA_342-357 peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Barske C, Frentzel S,
                                 WPI; 2004-468818/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2005-242564/25.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31-MAR-2005.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Simi
Matches 18;
Zurini M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADZ07584;
8X4X4444X8X8X88844X8X8X8
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The invention relates to binding molecules (SEQ ID Nos 2 and 3) capable of binding to human Nigor [10 No. 5], human Nigor of binding to human Nigor [20], human [20], hu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative discorder; benign dysproliferative discorder; benign dysproliferative discorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rat Nogo A protein fragment used in the construction of mutant NiG-D20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 99; DB 9; Length 18;
llarity 100.0%; Pred. No. 2.9e-07;
Conservative 0; Mismatches 0; Indels
                                         Disclosure; SEQ ID NO 1; 117pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY71400 standard; protein; 181 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02-NOV-2000 (first entry)
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Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY71400;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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WO200031235-A2

hyperproliferative disorder; benign dysproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.

WO200031235-A2

Rattus sp.

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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, acoustic neuroma, craniopharyngioma, oligodendroglioma, menagioma, neuroblastoma acoustic neuroma, craniopharyngioma, cpendyoma, pinelohastoma, neuroblastoma acoustic neuroma, craniopharyngioma, craniopharyngioma, coligodendroglioma, menagioma, neuroblastoma or retinoblastoma and dependrative nerve diseases e.g. Alzheimer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to treat or prevent conditions or benign dyaproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Vogo protein to induce regeneration of used to inhibit production of Vogo protein to induce regeneration of used to inhibit production of Vogo protein to induce regeneration of used to inhibit products of disorders and to screen for or test molecules which creat or prevent disorders and to screen for or test molecules which creat or prevent disorders or diseases of the CNS. The present sequence is a fragment of frat Nogo A protein shown in AAY71310, which is used if the construction of mutant NG-TOZO, NG-TOZO is composed of His-tag/Tr-cthe construction of mutant NG-TOZO. NG-TOZO is composed of His-tag/Tr-cthe construction of mutant NG-TOZO. NG-TOZO is composed of His-tag/Tr-cthe construction of mutant NG-TOZO. NG-TOZO is composed of His-tag/Tr-cthe construction of mutant NG-TOZO. NG-TOZO is composed of His-tag/Tr-cthe construction of mutant NG-TOZO. NG-TOZO is composed of His-tag/Tr-cthe construction of mutant NG-TOZO. NG-TOZO is composed of His-tag/Trom and Fozo and ABY71310. SRC In numbrice is not given in the specification nutant secretic for mutant 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rat Nogo A protein fragment used in the construction of mutant NiG-D5
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Best Local Similarity 100.0%; Pred. No. 3.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY71390 standard; protein; 356 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example; Page; 122pp; English.
                                                                           99WO-US026160
                                                                                                                                                      98US-0107446P.
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                                                                                                                                                                                                                                                                                                                                                            Schwab ME, Chen MS;
                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-400052/34.
                                                                                                                                                                                                                                  (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
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                                                                                                                                                           36-NOV-1998;
                                                                                05-NOV-1999;
02-JUN-2000.
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth contains and fragments displaying neurite growth contains, nemagiona, heading a constict disease of the CNS e.g. glioma, ploalastoma, acoustic neurona, craniopharyngioma, coligodendroglioma, menagiona, neuroblastoma or retinoblastoma and oligodendroglioma, menagiona, neuroblastoma or retinoblastoma and dispendentive nerve diseases e.g. Alzhaimer's and Parkinson's diseases. Coligodendroglioma, menagiona, neuroblastoma or retinoblastoma and dispendentics which promote Nogo activity can be used to treat or prevent or byentoliferative or benign dysproliferative disorders e.g. psoriasis of and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of Nogo protein to induce regeneration of Nogo protein to induce regeneration of Magnosticity of the CNS in disorders where consuming methods for animal models can be used in disgnostic and screening methods for treat or prevent disorders or disgnostic and screening methods for treat or prevent disorders or diseases of the CNS. The present sequence is a fragment of rat Nogo A protein shown in AAV71310, which is used in the construction of mutant NiG-DS. NiG-DS is composed of Histagion construction of mutant NiG-DS. NiG-DS is composed of Histagion construction of mutant NiG-DS. NiG-DS is composed of was identified in the Nogo A sequence from animo acids 242-722. In addition, N-terminal region 1-171 was for mapping the inhibitory to NHH 373 fibroblast spreading. Note: The construction and sequence shown in AAV71310 SEQ ID numbers 35-42 are referred much to be inhibitory to NHH 373 fibroblast spreading. Note: The much Nogo A sequence shown in AAV71310 SEQ ID numbers 35-42 are referred much and SEQ ID NO: 29 ind disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
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100.0%; Score 99; DB 3; Length 356;
Beet Local Similarity 100.0%; Pred. No. 7e-06;
Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example; Page; 122pp; English.
                                                                                                                                                                                                                 99WO-US026160.
                                                                                                                                                                                                                                                              06-NOV-1998; 98US-0107446P.
                                                                                                                                                                                                                                                                                                                                                                               Schwab ME, Chen MS;
                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-400052/34.
                                                                                                                                                                                                                                                                                                          (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
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                                                                                                                                                                                                                      05-NOV-1999;
                                                                                                                                                                           02-JUN-2000.
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AAY71397
ID AAY7:
XX
AC AAY7:
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Sequence 374 AA;

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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma, craniopharyngioma, ependyoma, pinealoma, haemangioblastoma, acoustic neuroma, craniopharyngioma, conditional menagiona, neuroblastoma and legenerative nerve diseases e.g. Altheimer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to treat or prevent hypotrycoliferative or benigning dysproliferative disorders e.g. psoriasis and issue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of set is set or promote structural plasticity of the CNS in disorders where neurons or to promote structural plasticity of the CNS in disorders where neurons or to promote structural plasticity of the CNS in disorders where animal models can be used in disorders and to screen for or test molecules which can breat or prevent disorders and to screen for or test molecules which are to prevent disorders and to screen for or test molecules which is used in the construction of mutant Nic-Di6 is composed of Historders and to screen for or test molecules which is derived by fusing two fragments of ras Nogo A protein. Major inhibitory region as identified in the Nogo A deletion mutants were used for mapping the inhibitory to NIH 3T3 addition. N-terminal region 1-171 was found to be inhibitory to NIH 3T3 to ploblast spreading Nogo A sequence shown in AA71310 Spot Dinumbers 35-42 are referred in claim and sold or claim and sol
                                                                                                                                                                       Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder. Anign dysproliferative disorder; benign dysproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
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                                                                                                 mutant NiG-D16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19. .374 forresponds to residues 619-974 of Nogo A sequence shown in AAY71310"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1. .18 "Corresponds to residues 172-189 of Nogo sequence shown in AAY71310"
                                                                                            Rat Nogo A protein fragment used in the construction of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example; Page; 122pp; English.
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02-NOV-2000 (first entry)
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth associated. Nogo proteins and fragments displaying neurite growth associated. Nogo proteins and fragment of neoplastic disease of the CNS e.g. glioma, glioblastoma, acoustic neuroma, craniopharyngioma, oligodendroglioma, menagioma, neuroblastoma acoustic neuroma, pinealoma, menagioma, neuroblastoma acoustic neuroma, pinealoma, menagioma, neuroblastoma and alseases e.g. Alzhaimer's and Parkinson's diseases. Craniopharyngioma, cligodendroglioma, menagioma, neuroblastoma or retinoblastoma and diseases e.g. Alzhaimer's and Parkinson's diseases. Crarapeutics which promote Nogo activity can be used to treat or prevent byperproliferative or being dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of meurons or to promote structural plasticity of the CNS in disorders where retrained and to screen for or test molecules which can prevent disorders or disorders and to screen for or test molecules which can treat or prevent disorders or 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperpoliferative disorder, hongorolferative disorder; denign dysproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; psoriasis; ptructural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Rat Nogo A protein fragment used in the construction of mutant NiG-D4.
                 Length 374;
Score 99; DB 3; Length 5. Pred. No. 7.4e-06;
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                                                                                                                                                                                                                                                                                   AAY71389 standard; protein; 475
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                                                                                                                1 SYDSIKLEPENPPPYEEA 18
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                    Query Match
Best Local Similarity 100.0%;
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               98US-0107446P.
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                                                                                                                                                  SYDSIKLEPENPPPYEEA
                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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(CHEN/) CHEN M S.
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was found to be inhibitory to NIH 3T3 fibroblast spreading. Note: The present sequence is not given in the specification but is derived from rat Nogo A sequence shown in AAY1310. SEQ ID numbers 35-42 are referred in claim 32 and SEQ ID No: 29 in disclosure of the specification. However, the specification does not include sequences for these SEQ ID
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Local Similarity 100.0%; Pred. No. 9.5e-06;
nes 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                            Sequence 475 AA;
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degenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases.

Therapeutics which promote Nogo activity can be used to treat or prevent
chyperproliferative or benigh dysproliferative disorders e.g. psoriasis
cand tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be
can disuse hypertrophy of Nogo protein to induce regeneration of
consect to inhibit production of Nogo protein to induce regeneration of
consect to promote structural plasticity of the CNS in disorders where
consect or to promote structural plasticity of the CNS in disorders where
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Chen MS

Schwab MB,

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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and itagements displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of conformation, pinealoma, paemanajolastoma, accustic neuroma, craniopharyngioma, ependyoma, pinealoma, neuroblastoma and degenerative nerve diseases e.g. Altelmer's and Parkinson's diseases. Therapeutics which promoce Nogo activity can be used to treat or prevent representies merity or the chain dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozywes or antisease Nogo mucleic acids can be used to inhibit production of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the RNS in disorders where neurite growth, regeneration or maintenance are deficient or dealred. The neurons or to promote structural plasticity of the RNS in disorders where neurite growth, regeneration or maintenance are deficient or dealred. The relation to disorders and to screen for or test molecules which can treat or prevent disorders and the screen for or test molecules which can treat or prevent disorders and diseases of the CNS. The present sequence is a fragment of rat Nogo A protein shown in AAY1310, which is used in the construction of mutant NiG-13. NiG-13 is composed of His-tag/T7.

The construction of mutant NiG-13. NiG-13 is composed of His-tag/T7.

The construction of mutant NiG-13. NiG-13 is composed of His-tag/T7.

The construction of mutant NiG-13. In addition, N-terminal region mutants were used for mapping the inhibitory to with 37 in disclosure of composed of the sequence is not given in the specification but is derived from make and SSD 1D No. 29 in disclosure of sequence shown in AAY1310. SSD In numbers 33-42 are referred members, the specification does not include sequences for these SSQ ID
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(CHEN/) CHEN M
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Matches
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medilloblastoma, craniopharyngioma, cependyoma, pinealoma, haemangioblastoma, acoustic neuroma, craniopharyngioma, cependyoma, pinealoma, neuroblastoma acoustic neuroma, craniopharyngioma, coligodendroglioma, menagioma, neuroblastoma or retinoblastoma and degenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases. CC Therapeutics which promote Nogo activity can be used to treat or prevent chyperproliferative or benigm dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of the constructural plasticity of the CNS; in disorders where construction to disorders and to screen for or test molecules which can be used in disagnostic and screening methods for treat or prevent disorders or diseases of the CNS. The present sequence to predisposition of mutant Nid-Dio is composed of His-tag/T7-cc tag/Nogo-A sequence as 291-974/His-tag. Nogo A deletion mutants were used for mapping the inhibitory sites of Nogo A deletion mutants were used to material and the Nogo A sequence from amino acids 54-722. In addition, N-terminal region 1-171 was found to be inhibitory sites of Nogo A deletion but is derived from a for contact sequence shown in AP371310. Nid-Dio is composed of magnesic sequence shown in AP371310. SEQ ID numberes 15-42 are referred to manhers.

The specification does not include sequences for these SEQ ID numbers.
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                                                                                    Nogo proteins and nucleic acids useful for treating neoplastic disc
of the central nervous system and inducing regeneration of neurons.
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth associated. Nogo proteins and fragments displaying neurite growth control of the CNS e.g. glioma, plandatoma, medulloblastoma, craniopharyngioma, conforma, heamagioblastoma, acoustic neuroma, craniopharyngioma, openancial menagiona, medulloblastoma or retinoblastoma and cligodendroglioma, menagiona, neuroblastoma or retinoblastoma and dispensative nerve diseases e.g. Alzaheimer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to treat or prevent hyperproliferative or benigm dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be and tissue bypertrophy. Ribozymes or antisense Nogo nucleic acids can be and tissue bypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of meaning models can be used in dispnostic and screening methods for cherat postuce structural plasticity of the CNS in disorders where regisposition to disorders and to screen for or test molecules which creat or prevent disorders and to screen for or test molecules which creat or prevent disorders or diseases of the CNS. The present sequence is a fragment of frat Nogo A protein shown in AAP71310, which is used in the nogo A protein shown in AAP71310, which method in the Nogo A protein mainto acids 12-974, was identified in the Nogo A protein mainto acide 12-974, was found to be inhibitory to NIH 373 fibroblast spreading. Noce: The was found to be inhibitory to NIH 373 fibroblast spreading. Noce: The was found to be inhibitory to NIH 373 fibroblast spreading. Noce: The was real Nogo A sequence shown in AAP71310. SEQ ID numbers 35-42 are referred muhapers, the specification does not include sequences for these SEQ ID numbers.
                                                                                                                                                                                                                                      Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
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                                                                                                                                                                                                                                                                                                             Example; Page; 122pp; English.
                                                    98US-0107446P.
               05-NOV-1999; 99WO-US026160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-NOV-2000 (first entry)
                                                                                                                                                              Schwab ME, Chen MS;
                                                                                               (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
                                                                                                                                                                                                      WPI; 2000-400052/34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 695 AA;
                                                         06-NOV-1998;
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Best Local Si
Matches 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rat Nogo A protein fragment used in the construction of mutant NiG-D18.
                                                                                            0; Gaps
Match 100.0%; Score 99; DB 3; Length 695; Local Similarity 100.0%; Pred. No. 1.4e-05; les 18; Conservative 0; Mismatches 0; Indels
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma, craniopharymgioma, the constitution of the CNS e.g. glioma, menagiona, neuroblastoma or retinoblastoma and egenerative nerve diseases e.g. Alzahamer's and Parkinson's diseases. Classificative nerved diseases e.g. Alzahamer's and Parkinson's diseases. Hyperpooliferative or benign dysproliferative disorders e.g. psoriasis thyperpooliferative or benign dysproliferative disorders man of tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of neuring growth, regeneration or maintenance are deficient or desired. The neurite growth, regeneration or maintenance are deficient or desired. The unall models can be used in disorders and to screen for or test molecules which can pervent disorders and to screen for or test molecules which creat or prevent disorders and to screen for or test molecules which creat or prevent disorders and to screen for or test molecules which is derived by fusing two fragments of rat Nogo A protein shown in the composed of His-tag/T7-tag/Nogo-A sequence as 172-189 + 261-974/His-tag. Composed of His-tag/T7-tag/Nogo-A sequence as 172-189 + 261-974/His-tag. Nogo protein. Wajor inhibitory region was identified in the Nogo A gequence from amino acids 172-974, particularly amino acids 172-974, particularly amino acids 172-974, particularly amino acids 192-924 from tra Nogo A sequence shown in Application to desired from tra Nogo A sequence shown in Application and the specification However, the specification does not conclude sequences for these SEQ ID numbers 18-42 are referred in claim 32 and SEQ ID Nogo Protein However, the specification desired from transer and SEQ ID Nogo Protein and Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
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                                                                                              Location/Qualifiers
1. .18
/note= "Corresponds to residues 172-189 of Nogo A sequence shown in AAY71310"
                                                                                                                                                                                                      /note= "Corresponds to residues 261-974 of Nogo A sequence shown in AAY71310"
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psoriasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
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Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Schwab ME, Chen MS;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
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                                                                          Rattus sp.
                                                                                                                    Key
Region
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of conditional, planaloma, haemanglobiastoma, accoustic neuroma, craniopharyngioma, ependyoma, pinealoma, neuroblastoma or retinoblastoma and egenerative nerve diseases e.g. Alzheimer's and Parkinson's diseases.

Therapeutics which promote Nogo activity can be used to treat or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the CNS in disorders where neurite growth, regeneration or maintenance are deficient or desired. The neurite growth, regeneration or maintenance are deficient or desired. The animal models can be used in disquestic and screening methods for predisposition to disorders and to screen for or test molecules which can be used in disquestic and screening methods for the or prevent disorders and to screen for or test molecules which can be used in the construction of mutant NG-D17 is composed of His-tad/77-tag/Nogo-A sequence as 172-189 + 257-914/His-tag. Nogo A deletion mutants were used for mapping the inhibitory sites of composed of His-tad/77-tag/Nogo-A sequence from minno acids 172-74, particularly amino acids 542-722. In addition, N-terminal region 1-171 was found to be inhibitory to NHH 3T3
                                                                                                                                                                                                                 Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; annisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder; henign dysproliferative disorder; benign dysproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; psorieural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                          Rat Nogo A protein fragment used in the construction of mutant NiG-D17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Corresponds to residues 257-974 of Nogo A sequence shown in AAY71310"

    .18
/note= "Corresponds to residues 172-189 of Nogo
sequence shown in AAY71310"

                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                         AAY71398 standard; protein; 736 AA.
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                                                                                                                              02-NOV-2000 (first entry)
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(CHEN/) CHEN M S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200031235-A2
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                                                                                                                                                                                                                                                                                                                                                                                                 Rattus sp.
                                                                                     AAY71398;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Region
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RESULT 14
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, glioblastoma, medulloblastoma, craniopharyngioma, ependyoma, plinealoma, haemangioblastoma, acoustic neuroma, craniopharyngioma, oligodendroglioma, menagiona, neuroblastoma or retinoblastoma and cligodendroglioma, menagiona, lauroblastoma or retinoblastoma and cligodendroglioma, menagiona, the activity can be used to treat or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antiseanse Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the CNS in disorders where neurine growth, regeneration or maintenance are deficient or desired. The animal models can be used in diagnostic and screening methods for predisposition to disorders and to screen for or test molecules which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; autiproliferative; glioma; antisense gene therapy; neuroblastoma; mensgioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative diseorder; beingin dysproliferative diseorder; beingin dysproliferative diseorder; psorlasis; psorlasis; tissue hypertrophy; neuronal regeneration; treatment; structural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons:
sequence is not given in the good A sequence shown in AAY71310.

im 32 and SEQ ID NO: 29 in c, the specification does not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rat Nogo A protein fragment used in the construction of mutant NiG-D1.
                                                                                                                                                                       Length 736;
                                                                                                                                                                          Score 99; DB 3; Length 73
Pred. No. 1.5e-05;
Mismatches 0; Indels
     fibroblast spreading. Note: The present seg specification but is derived from rat Nogo SEQ ID numbers 35-42 are referred in claim disclosure of the specification. However, tinclude sequences for these SEQ ID numbers
                                                                                                                                                                                                                                                                                                                                                                                                           AAY71386 standard; protein; 737 AA
                                                                                                                                                                     Query Match 100.0%; Sr
Best Local Similarity 100.0%; Pr
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                    402
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                                                                                                                                                                                                                                                                                     SYDSIKLEPENPPPYERA
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                                                                                                                             Sequence 736 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY71386;
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                                                                                                                                                                                                                                                                                                                                                                     RESULT 15
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The present invention relates to an isolated truncated Nogo-A polypeptide that corresponds to a truncated form of the Nogo-A protein from the rat and from the human. The truncated polypeptide is useful for identifying a compound having detectable affinity to a Nogo-A protein. The present sequence is a vector encoded Nogo-A protein used in the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New isolated truncated Nogo-A polypeptide that corresponds to a truncated form of the Nogo-A protein, useful for identifying a compound having detectable affinity to a Nogo-A protein.
treat or prevent disorders or diseases of the CNS. The present sequence is a fragment of rat Nogo A protein shown in ANY1310, which is used in the construction of mutant NiG-D1. NiG-D1 is composed of Hist-tag/T7-tag/Nogo-A sequence as 172-908/vector. Nogo A deletion matants were used for mapping the inhibitory sites of Nogo protein. Major inhibitory region was identified in the Nogo A sequence from amino acids 172-974, particularly amino acids 542-722. In addition, Veteminal region 1-171 was found to be inhibitory to NIH 373 fibroblast spreading. Note: The present sequence is not given in the specification but is derived from rat Nogo A sequence shown in ANY1310. SEQ ID numbers 35-42 are referred However, the specification does not include sequences for these SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             rat; human; Nogo-A; truncated; affinity; membrane-bound protein; vector.
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                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rat truncated Nogo-A protein encoded by cDNA vector #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; Page 75-77; 80pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                 452 SYDSIKLEPENPPPYEEA 469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADO26415 standard; protein; 739
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PIER-) PIERIS PROTEOLAB AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-JUL-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-376159/35.
N-PSDB; ADO26411.
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                                                                                                                                                                                                                                                                     Sequence 737 AA;
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Synthetic.
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated Nogo Proteins and fragments displaying neurite growth cassociated. Nogo proteins and fragments displaying neurite growth cassociated. Inhibitory activity are used in the treatment of neoplastic disease of the CNS eg. gliona, glioblastoma, acoustic neuroma, craniopharyngioma, orgendyoma, pinealoma, haemangioblastoma, acoustic neuroma, or dispedendreglioma, menagioma, neuroblastoma or retinoblastoma and ependyoma, pinealoma, neuroblastoma or retinoblastoma and dispendrative merve diseases e.g. Alzheimer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to reat or prevent or promote structural plasticity of the CNS in disorders where neurons or to promote structural plasticity of the CNS in disorders where canimal models can be used in diagnostic and screening methods for predisposition to disorders and to screen for or test molecules which can be used in diagnostic and screening methods for treat or prevent disorders or diseases of the CNS in precise sequence is derived by fusing two fragments of tax Nogo A protein shown in the composed of His-tag/Nogo-A sequence as 172-234 + 292-974/His-tag.
                                                                                                                                                                                                                                                        Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder. Alzheimer's disparelliferative disorder; psorial systoliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; perrutural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                        Rat Nogo A protein fragment used in the construction of mutant NiG-D7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                       AAY71391 standard; protein; 746 AA.
                412 SYDSIKLEPENPPPYEEA 429
18
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Local Similarity

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Query Match

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AAY71562 standard; protein; 803

02-NOV-2000 (first entry)

AAY71562;

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Nogo A deletion mutants were used for mapping the inhibitory sites of Nogo A protein. Major inhibitory region was identified in the Nogo A sequence from andino acids 172-974, particularly amino acids 542-722. In addition, N-terminal region 1-171 was found to be inhibitory to NIH 3T3 fibroblast spreading. Note: The present sequence is not given in the specification but is derived from rat Nogo A sequence shown in AA71310. SEQ ID numbers 35-42 are referred in claim 32 and SEQ ID NO: 29 in disclosure of the specification. However, the specification does not include sequences for these SEQ ID numbers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rat; human; Nogo-A; truncated; affinity; membrane-bound protein; vector.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rat truncated Nogo-A protein encoded by vector pASK111-NiFr2.
                                                                                                                                                                                                                                                                                                                                                                                                       Length 746;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 798;
                                                                                                                                                                                                                                                                                                                                                                                                   Warch 100.0%; Score 99; DB 3; Length 74 Local Similarity 100.0%; Pred. No. 1.58-05; Local Similarity 100.0%; Pred. No. 1.58-05; Local Barry 100.0%; Mismatches 0; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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100.0%; Score 99; DB 8; I
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 18; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          395 SYDSIKLEPENPPYEEA 412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADO26414 standard; protein; 798
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-OCT-2002; 2002WO-EP012210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Skerra A, Fiedler M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-376159/35.
N-PSDB; ADO26412.
                                                                                                                                                                                                                                                                                                                                         Sequence 746 AA;
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AD026414;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated Nogo Proteins and fragments displaying neurite growth associated. Nogo Proteins and fragments displaying neurite growth control activity activity are used in the treatment of meoplastic disease of the CNS e.g. giloma, giloblastoma, acoustic neuroms. Craniopharyngioma, oligodendroglioma, menagioma, neuroblastoma accoustic neuroma or craniopharyngioma, phenaloma, heamangioblastoma, accoustic neuroms and siseases. Craniopharyngioma, accoustic neuroms or diseases e.g. Alzahmer's and Parkinson's diseases. Craniopharyngioma, phenaloma, menagioma, neuroblastoma and fascases e.g. Alzahmer's and Parkinson's diseases. Craniopharyngioma, phenaloma, menagioma, neuroblastoma and sectivity of became to read or prevent production of Nogo protein to induce regeneration of maintenance are deficient or desired. The neurons or to promote structural plasticity of the CNS in disorders where a nimal models can be used in diagnostic and sorrention. The present sequence of predisposition to disorders and to screen for or test molecules which can creat or prevent disorders or disorders and to screen for or test molecules which can creat or prevent disorders or disorders and to screen for or test molecules which can creat or prevent disorders or disorders and to screen for or test molecules which can it a fragment of tax Nogo A protein shown in AAV71310, which is used in the Nogo A sequence from main acids 172-974/His-tag. Nogo A deletion mutants were used to mapping the inhibitory to NIH 313 fibroblast spreading. Note: The particularly mains acids 000 A sequence from mains acids 172-974, which are referred or mapping and sequence shown in AAV71310. SRO ID numbers 35-42 are referred for mapping and sequence shown in disclosure of the specification.

However, the specification does not include sequences for these SEO ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
                                                                                                                                                                                                                                                                                                                                                                                             Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperproliferative disorder; antipni dysproliferative disorder; diagnosis; pserviasis; tissue hypertroph; neuronal regeneration; treatment; etructural plasticity; screening; mutant; mutein.
                                                                                                                                                                                                                                                                                                                  Rat Nogo A protein fragment used in the construction of mutant NiG.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200031235-A2
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REGULT 19
AAY711562
ID AAY711562
XX AAY711
XX AAY711
XX RA1;
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Sequence 803 AA;

SYDSIKLEPENPPPYEEA 488

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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth controlly activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, pleasona, memagioblastoma, craniopharyngioma, cependyoma, pinealoma, heamagioblastoma or retinoblastoma and cependyoma, pinealoma, neuroblastoma or retinoblastoma and degenerative neuroglioma, menagiona, neuroblastoma or retinoblastoma and degenerative neuroe diseases e.g. Alzaheimer's and Parkinson's diseases.

CC degenerative nerve diseases e.g. Alzaheimer's and parkinson's diseases. The appendition or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic caids can be used to inhibit production of Nogo protein to induce regeneration of menting growth, regeneration or maintenance are deficient or desired. The neurons or to promote structural plasticity of the CNS in disorders where can main models can be used in disorders and to screen for or bresent disorders and to maintenance are deficient or desired. The mutent is composed of History craft can particularly amino acids 542-752. In addition, Major Inhibitory companion of the inhibitory to NIH 3T3 fibroblast spreading. The
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; giloma; antisense gene therapy; neuroblastoma; menadioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperpoliferative disorder. Anign dysproliferative disorder; banign dysproliferative disorder; diagnosis; psoriasis; tissue hypertrophy; neuronal regeneration; treatment; diagnosis; etructural plasticity; screening; mutant; mutein.
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         Length 803;
Query Match
100.0%; Score 99; DB 3; Length 80;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY71560 standard; protein; 974 AA.
                                                                                                                                                                                                                          452 SYDSIKLEPENPPPYEEA 469
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                                                                                                                                                                       1 SYDSIKLEPENPPYEEA 18
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The patent relates to neurite growth inhibitor Nogo which is free of all central nervous system (CNS) myelin material with which it is natively associated. Nogo proteins and fragments displaying neurite growth casociated. Nogo proteins and fragments displaying neurite growth control and inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glioma, palengioma, medulloblastoma, craniopharyngioma, cephodyoma, pinealoma, haemangioblastoma acoustic neuroma, craniopharyngioma, coligodendroglioma, menagiona, neuroblastoma or retinoblastoma and degenerative nerve diseases e.g. Alzhaimer's and Parkinson's diseases. The preparoil ferative or benign dysproliferative disorders e.g. pisoriasis and parkinson's the production of Nogo activity can be used to treat or prevent hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit production of Nogo protein to induce regeneration of neurons or to promote structural plasticity of the CNS in disorders where neurite growth, regeneration or maintenance are deficient or desired. The neurons or to disorders and to screen for or test molecules which can predisposition to disorders and to screen for or test molecules
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; giloma; antibense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperpoliferative disorder. Annian deproliferative disorder; benign deproliferative disorder; disappositistis; tissue hypertrophy; neuronal regeneration; treatment; dagnosis; psortural plasticity; screening; mutant; mutein.
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present sequence is not given in the specification but is derived from rat Nogo A sequence shown in AAV11310. SEQ ID numbers 35-42 are referred in claim 32 and SEQ ID No: 29 in disclosure of the specification. However, the specification does not include sequences for these SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rat Nogo A truncated protein used in the construction of mutant Nogo-A.
                                                                                                                                                                                                             0; Gaps
                                                                                                                                                                   100.0%; Score 99; DB 3; Length 974;
100.0%; Pred. No. 2e-05;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                      AAY71557 standard; protein; 1162 AA.
                                                                                                                                                                                                                                                                                      623 SYDSIKLEPENPPYEEA 640
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                                                                                                                                                                                                                                                      1 SYDSIKLEPENPPPYEEA 18
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Best Local Similarity 100.0
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                                                                                                                                      Sequence 974 AA;
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                                                                                               numbers
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AAY71557
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62. .1163
note= "used as immunogen to generate antibody AS Bruna"
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note= "used as immunogen to generate antibody AS:472"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            798. 1023
7abel= Transmembrane domain
8note= "C-terminal hydrophobic region specifically
8notes to claim 16"
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                                                                                                                                                                                                                 94. .696
note= "Asn is N-glycosylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         note= "Casein kinase II site"
                                                             note= "Casein kinase II site"
                                                                                                                                                                                                                                                                        note= "Casein kinase II site"
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note= "Asn is N-glycosylated"
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'note= "Asn is N-glycosylated"

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note= "Asn is N-glycosylated"
                                                                                                                    note= "Casein kinase II
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/note= "C-te
isoforms"
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...1162
/note= ""'
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/note= "?
                                                                                 . .722
                                                                             Inhibitory-site
Modified-site
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treat or prevent disorders or diseases of the CNS. The present sequence is a truncated form of rat Nogo A protein shown in APY71310, which is used in the construction of mutant Nogo. A Nogo. A is composed of Histag/Vector/Nogo. A sequence as 1-1162. Nogo A deletion mutants were used for mapping the inhibitory sites of Nogo protein. Major inhibitory particularly amino acids 542-722. In addition, N-terminal region 1-77 was found to be inhibitory to NHI 373 fibroblast spreading. Note: The present sequence is not given in the specification but is derived from rat Nogo A sequence shown in APY1310. SEQ ID numbers 35-42 are referred However, the specification does not include sequences for these SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rat; neurite growth inhibitor; Nogo A; neural cell; myelin; CNS; central nervous system; neoplastic disease; antiproliferative; glioma; antisense gene therapy; neuroblastoma; menagioma; retinoblastoma; degenerative nerve disease; Alzheimer's disease; Parkinson's disease; hyperpoliferative disorder; benign dysproliferative disorder; pesoriasis; tissue hypertrophy; neuronal regenerative disorder; diagnosis; ptructural plasticity; screening.
                                                                                                                                                                                                                                                                                                                                                     Gaps
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== "This region is not essential for inhibitory
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    171
/note= "Inhibits NIH 3T3 fibroblast spreading"

                                                                                                                                                                                                                                                                                                              Length 1162;
                                                                                                                                                                                                                                                                                                            Ouery Match 100.0%; Score 99; DB 3; Length 11.
Best Local Similarity 100.0%; Pred. No. 2.5s-05;
Matches 18; Conservative 0; Mismatches 0; Indels
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note= "Asn is N-glycosylated"
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note= "Acidic region"
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ID AAY71310 standard; protein; 1163 AA.
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activity"
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note= "!
                                                                                                                                                                                                                                                                          Sequence 1162 AA;
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Inhibitory-site
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762. .1163
Thote= "used as immunogen to generate antibody AS Bruna"
784
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horde= "There is Lys at this position in the sequence
shown in AAY1310"
                                                                                                                                                                                                                         /label= Unknown
/note= "There is Leu at this position in the sequence
shown in AAY71310"
                                                                                                                                        172. .259
/note= "This region is not essential for inhibitory
activity"
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/note= "used as immunogen to generate antibody AS
                     . .171
note= "Inhibits NIH 3T3 fibroblast spreading"
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488
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912. .914
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868
hote= "Protein kinase C (PKC)
893
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/note= "Protein kinase C (PKC)
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863
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542. .722
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'note= "Asn is N-glycosylated"
                                                                         note= "Casein kinase II site"
11. .58
note= "Acidic region"
                                                                                                                                                                                                                                                                                                                             242. .244
/note= "Asn is N-glycosylated"
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/note= "Asn is N-glycosylated"
Location/Qualifiers
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    Key
Inhibitory-site
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    The present sequence is a rat Nogo A protein which is a potent neural cell growth inhibitor and is free of all central nervous system (CNS) with inhibitor and is free of all central nervous system (CNS) derived from a cDNA generated by fusing RO18U37-3, R1-3U21 cDNAs isolated from hexanucleotides-primed rat brain stem/Spinal cord library, and O3118 cDNA from an oligo d(T)-primed rat oligodendrocyte library. Nogo proteins and fragments displaying neurite growth inhibitory activity are used in the treatment of neoplastic disease of the CNS e.g. glicom, glioblastoma, acoustic neuroma, oligodendrocyte library. Nogo proteins nedulloblastoma, acoustic neuroma, oligodendrocyte library. Nogo proteins neuroblastoma and degenerative nerve diseases e.g. Alzabiemer's and Parkinson's diseases. Therapeutics which promote Nogo activity can be used to trast or prevent hyperproliferative or benign dysproliferative disorders e.g. psoriasis and tissue hypertrophy. Ribozymes or antisense Nogo nucleic acids can be used to inhibit or promote structural plasticity of the CNS in disorders where neurite promote structural plasticity of the CNS in disorders and to screen for or test molecules which an enrist of disorders and to screen for or test molecules which can be used in diseases of the CNS in disorders and to screen for or test molecules which can test of disorders and to screen for or test molecules which can test of disorders and to screen for or test molecules which can test of disorders and to screen for or test molecules which can test of the Sequence of the Sequence designated as SEQ ID No: 2 is stated to be the same as the sequence store referred in disorders or maintenence green in Fig. 13 Sec AAY71384 of the specification. However, this sequence referred in deserver, the sequence green in Fig. 13 sequence of the referred in clause of the Security of the sequence of the specification does not include sequence for these SEQ ID numbers
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                                                                                                                                                                                      Nogo proteins and nucleic acids useful for treating neoplastic disorders of the central nervous system and inducing regeneration of neurons.
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Local Similarity 100.0%; Score 99; DB 3; Length 1163;
Local Similarity 100.0%; Pred. No. 2.5e-05;
Les 18; Conservative 0; Mismatches 0; Indels C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Alternative version of rat neurite growth inhibitor Nogo A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY71384 standard; protein; 1163 AA
                                                                                                                                                                                                                                                   Claim 3; Fig 2A; 122pp; English.
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                                                                                                                         WPI; 2000-400052/34.
N-PSDB; AAD01173.
                                                                                  Schwab ME, Chen MS;
                     (SCHW/) SCHWAB M E. (CHEN/) CHEN M S.
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Region Region Domain

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The invention relates to promoting nerve regeneration or conferring neuroprotection and preventing or inhibiting neuronal degeneration in the central/peripheral nervous system (NS). The method involves administering NS-specific antigen, its analogue or its NS-specific antigen, its analogue or its peptide, a nucleotide sequence the NS-specific antigen or its analogue or its combinations. The method is useful for promoting nerve regeneration and combinations. The method is useful for promoting nerve regeneration and preventing neuronal degeneration in central/peripheral nervous system from injury/disease, where the injury is spinal cord injury, blunt trauma, penetrating trauma, henorrhagic stroke, ischaemic stroke or trauma, penetrating trauma, henorrhagic stroke, ischaemic stroke or amorphasm. The disease is not an autoimmune disease on neoplasm. The disease is not an autoimmune disease, where gray or white matter or both. The disease is chabetic neuropathy, smill edemental Alzheimer's disease, sarkingon's disease, facial nerve (Bell's) palay, glaucoma, Huntington's chorea, amyotrophic lateral sclerosis, non-arteritic optic neuropathy, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nerve regeneration; neuroprotection; neuronal degeneration; CNS; PNS; central nervous system; tranquillizer; Nogo; vulnerary; cerebroprotective; anti-tumour; antidiabetic; anticonvulsant; nootropic; antiparkinsonian; opthalmological; analgesic; hepatotropic; osteopathic; vasotropic; nephrotropic; cytostatic; antigen; gene therapy; neurotransmitter receptor; rat; receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Promoting nerve regeneration and preventing neuronal degeneration in the central/peripheral nervous system from injury/disease, comprises administering nervous system-specific activated T cells/antigen, or analogs/peptides.
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Moalem G;
                                                                                                                                  Length 1163;
does not include sequences for these SEQ ID numbers
                                                                                                    Score 99; DB 3; Le
Pred. No. 2.5e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rat neurotransmitter receptor protein Nogo-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 5; Page 44-47; 93pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABB81074 standard; protein; 1163 AA.
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98WO-US014715.
98US-00218277.
99US-00314161.
                                                                                                                                  Query Match
Best Local Similarity 100.0%;
Matches 18; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (YEDA ) YEDA RES & DEV CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-JUN-2001; 2001US-00893348.
                                                                                                                                                                                                                                                                             1 SYDSIKLEPENPPPYEEA
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N-PSDB; ABN86600.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rattus norvegicus.
                                                               Sequence 1163 AA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-JUL-1998;
22-DEC-1998;
19-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-MAY-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABB81074;
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XX ABBB1074
XX ABBB10
XX ABBB1
XX ABBB1
XX ABBB1
XX ABBB1
XX N Nerve
XX N Centr
XX N US200
XX XX SAttu
XX SAT SBB
YX SBB
XX SBB
X
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binding molecule; human, NogoA; NiG; NiG-D20; NogoA\_623-640; nerve repair; neuroprotective; gene therapy; central nervous system injury; CNS injury; neurodegenerative disorder;

Rat NogoA protein SEQ ID NO:26.

(first entry)

09-SEP-2004

ADP45572;

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ADP45572 standard; protein; 1163

623 SYDSIKLEPENPPPYEEA 640

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vitamin deficiency, intervertebral disc herniation, prion diseases such as Creutzfeldt-Jakob disease, carpal tunnel syndrome, peripheral neuropathies associated with various diseases, including but not limited to uremia, porphyria, hypoglycemia, Sjorgren Larsson syndrome, acute sensory neuropathy, chronic ataxic neuropathy, bilary cirrhosis, summary amyloidosis, obstructive lung diseases, acromegaly, malabsorption syndromes, polycythemia vera, immunoglobulin (Ig)A- and IgG gamma-pathies, complications of various drugs (e.g., metronidazole) and toxins (e.g., alcohol or organophosphates), Charcot-Marie-Tooth disease, ataxia adrenomyalomeuropathy, diant axonal neuropathy, Refemi s disease, spary's disease, or lipoproteinemia. The present sequence represents the rat neuroprary, cirrhosia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New isolated truncated Nogo-A polypeptide that corresponds to a truncated form of the Nogo-A protein, useful for identifying a compound having detectable affinity to a Nogo-A protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to an isolated truncated Nogo-A polypeptide that corresponds to a truncated form of the Nogo-A protein from the rat and from the human. The truncated polypeptide is useful for identifying a compound having detectable affinity to a Nogo-A protein. The present sequence is a Nogo-A polypeptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rat; human; Nogo-A; truncated; affinity; membrane-bound protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1163;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADO26399 standard; protein; 1163 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rat truncated Nogo-A protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1163 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO2004039836-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            antigen
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New binding molecule that binds to the human NogoA polypeptide, NiG, NiG-D20 or NogoA623-640, useful in preparing a composition for treating CNS injury or neurodegenerative disorders.

Barske C, Mir AK, Oertle T, Schnell L, Schwab ME, Vitaliti A, Zurini M;

WPI; 2004-468818/44. N-PSDB; ADP45571.

09-DEC-2003; 2003WO-EP013960.

Rattus norvegicus.

WO2004052932-A2.

24-JUN-2004.

(NOVS ) NOVARTIS AG. (NOVS ) NOVARTIS PHARMA GMBH. (UYZU-) UNIV ZUERICH. 10-DEC-2002; 2002GB-00028832.

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ADZ07609
ID ADZ07609 standard; protein; 1163 AA.
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ADP455725

ADP4757

ADP477

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1 SYDSIKLEPENPPYEEA 18

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The invention relates to binding molecules (SEQ ID Nos 2 and 3) capable of binding to human NogoA polypeptide (SEQ ID No: 5), human NiG polypeptide (SEQ ID No: 6), human NiG polypeptide (SEQ ID No: 6), human NiG polypeptide (SEQ ID No: 6) all given in the specification, with a dissociation comprises a first antigen binding molecule of the invention comprises a first antigen binding molecule of the invention comprises a first antigen binding site comprising molecule of the hypervariable regions CDR-H1-366 (SEQ ID No: 8), CDR-H2-366 (SEQ ID No: 10) all given in the specification and a second antigen binding site comprising in sequence to hypervariable regions CDR-H1-366 (SEQ ID No: 10) all given in the specification and a second antigen binding site comprising in sequence for the hypervariable regions CDR-L1, where each of the hypervariable cregions CDR-L1, where each of the hypervariable cregions CDR-L1, where each of the hypervariable cregions CDR-L1, and CDR-L2, where each of the hypervariable cregions CDR-L1, unclosed to their equivalent hypervariable cregions CDR-L1, cDR-L2, where each of the hypervariable cregions CDR-L1, cDR-L2, where each of the hypervariable cregions CDR-L1, where each of the hypervariable cregions CDR-L1, and CDR-L2, where each of the hypervariable cregions comprising the specification. Also described are: (i) polynucleotide sequences encoding the binding molecules above, (c) 11, polynucleotide sequences above, where the expression system or its part is repable of producing a polypeptide, when the expression system or its part is present in a compatible host cell comprising the expression system or its part is capable of producing a polypeptide, when the expression system or its part is present in a compatible of the invention are useful as a pharmaceutical carrier or diluent, and (vi) a method of the invention are useful as a pharmaceutical present in a compatible of sequences of the peripheral (PNS) and central (CNS) nervous system, e.g. cheuved expedic lateral solevales. The binding 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New binding molecule capable of binding to human NogoA polypeptide, human NiG, human NiG-D20, or human NogoA342-357, useful for treating nerve repair, Alzheimer's disease, Parkinson's disease, or amyotrophic lateral selletosis.
                                                                                                                             antibody; NogoA; pharmaceutical; peripheral neuropathy; entiral nervous system disease; neurodegenerative disease; Alzheimers disease; Parkinsons disease; motor neurone disease; coular disease; parkinsons disease; motor neurone disease; coular disease; diabetic retinopathy; age related macular degeneration; myopia; cns-gen; neuroprotective; nootropic; antiparkinsonian; antidiabetic; ophthalmological.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Schwab ME, Vitaliti A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 26; 117pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Barske C, Frentzel S, Mir AK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (NOVS ) NOVARTIS AG.
(NOVS ) NOVARTIS PHARMA GMBH.
(UYZU-) UNIV ZURICH.
                                                                                                                                                                                                                                                                                                                                                                                                                                17-SEP-2004; 2004WO-EP010489.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-SEP-2003; 2003GB-00021997
                                        16-JUN-2005 (first entry)
                                                                                        Rat NogoA polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2005-242564/25.
N-PSDB; ADZ07608.
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                                                                                                                                                                                                                                                                                                                                        WO2005028508-A2.
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Ouery Match 100 0%; Score 99; DB 9; Length 11: Best Local Similarity 100.0%; Pred. No. 2.5e-05; Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                            1 SYDSIKLEPENPPPYEEA 18
                                      Sequence 1163 AA;
specification.
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1: /cgp12 6/ptodata/lybpbaa/USO7 PUBCOMB.pep:*
2: /cgp12 6/ptodata/l/pubpaa/USO8 PUBCOMB.pep:*
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5: /cgp12 6/ptodata/l/pubpaa/USIOA PUBCOMB.pep:*
6: /cgp12 6/ptodata/l/pubpaa/USIOB PUBCOMB.pep:*
GenCore version 5.1.7 Copyright (c) 1993 - 2006 Biocceleration Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                               1867569 seqs, 417829326 residues
                                                                                                                                                                                                                                                         Title: US-09-830-972A-2_COPY_623_640
Perfect score: 99
Sequence: 1 SYDSIKLEPENPPPYEEA 18
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Maximum Match 100%
Listing first 45 summaries
                                                                                                     OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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Result No.	Score	Query Match	Length	DB	a	Description	
1		100.0	18	6	US-09-893-348-19	Sequence 19. Appl	
7	66	100.0	-	'n	US-10-810-653-19	19	
m	66	100.0	116	m	US-09-893-348-18	18,	
4	66	100.0	1163	ß	US-10-810-653-18	18,	
Ŋ	95	96.0		4	US-10-633-423-10	10,	
9	95	96.0		4	US-10-427-741-10	10,	
7	95	96.0		4	US-10-267-502-431	431,	
80	85	85.5	9 1192	m	US-09-789-386-2	2, A	
σ	85	85.9	9 1192	٣	US-09-758-140-6	9	
10	85	85.9	9 1192	m	US-09-893-348-23	23	
11	85	85.9	9 1192	ო	US-09-972-599A-6	9	
12	85	85.5	9 1192	4	US-10-060-036-71	Sequence 71, Appl	
13		85.9	9 1192	4	US-10-408-967-7	7,	
14	85	85.5	9 1192	4	US-10-267-502-429	42	
15	85	85.	1192	4	US-10-327-213-9	6	
16	82	85.9	9 1192	4	US-10-466-258-9	ō	
17		85.9		4	US-10-466-391A-9	6	
18	85	85.9	•	ហ	US-10-810-653-23	Sequence 23, Appl	
19	85	85.5	•	9	US-11-090-836-3	m	
20	82	85.5	•	9	US-11-090-846-3	m	
21	85	85.5	9 1192	φ	US-11-090-847-3	m	
22	51	51.	ın	Ŋ	US-10-732-923-8692	86	
23	20	50.		m	US-09-884-260A-54	54, A	
24	20	20.	5 473	Ŋ	US-10-732-923-9851	985	
25	49	49.5	306	9	US-11-097-143-24576		
26	49	49.		4	US-10-282-122A-71439		
27	49	49.	1398	4	US-10-369-493-5014	Sequence 5014, Ap	

188, App 146679, 194422, 235, App 235, App 3365, Ap 9365, Ap 13551, 115521, 115521, 115, Appl 115, Appl 115, Appl 12, Appl 13, Appl 14, Appl 14, Appl 14, Appl 14, Appl 14, Appl		ENS AND THEIR USES		
Sequence 1468 Sequence 1946 Sequence 1956 Sequence 2359 Sequence 227 Sequence 936 Sequence 936 Sequence 135 Sequence 155 Sequence 135 Sequence 135 Sequence 135 Sequence 155 Sequence 135 Sequence 155 Sequence 135 Sequence 25 Sequence 135 Sequence 25 Sequence 135 Sequence 25 Sequence 25 Sequence 135 Sequence 25 Sequence 135 Sequence 25 Sequence 135 Sequence 145		SYSTEM-SPECIFIC ANTIGENS AND		118, 11s 0, Gaps
US-10-32-859-1889 US-110-437-963-146679 US-110-437-963-146679 US-110-437-963-194422 US-110-788-792-235 US-110-788-792-235 US-110-732-923-9365 US-110-732-923-9365 US-110-424-599-2555703 US-110-424-599-2553642 US-110-424-599-2553642 US-110-424-599-2553642 US-110-424-599-2553642 US-110-424-599-253642 US-110-426-592-15 US-110-426-592-15 US-110-196-597-13 US-110-196-597-13 US-110-196-597-13	ALIGNMENTS US/09893348	Michal -CELLS, NERVOUS	06.9 08.09/314,161 19.08.09/218,277 	#; Score 99; DB 3; Length p; Pred. No. 3.46-06; Indel 0; Mismatches 0; Indel A 18
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ication US/0	EISENBACH-SCHWARTZ, COHEN, ITUN R. BESENMAN, PIETE MOSNUEGO, ALON MOALEM, Gila MOSTICN, CATIVATED VINCE: EIS-SCHWARTZ-Z. LICATION NUMBER: US	M NUMBER: 2001-06. B: 1999-05-19 W NUMBER: US W: 1999-12-29. W: 1999-12-29. W: 1999-12-29. W: 1999-05-19. W: 1999-05-19. W: 1999-07-21. W: 19	Similarity 100.04; Similarity 100.04; SyDSIKLEPENPPPYERA 11 SYDSIKLEPENPPPYERA 11 SYDSIKLEPENPPPYERA 11 SYDSIKLEPENPPYERA 11 SYDSIK 11 S
44444444444444444444444444444444444444	RESULT 1 18-09-893-348-19 ; Sequence 19, Application U ; Patent No. US20020072493A1	REMERAL INFORMATION: APPLICANT: EISENBACH-SCHWARTZ, APPLICANT: GOHEN, ITUN R. APPLICANT: MESERWAN, Pierre APPLICANT: MOSONEGO, Alon APPLICANT: MOALEM, Gila TITLE OF INVENTION: ACTIVATED T TITLE OF INVENTION: ACTIVATED T TITLE REPERRICE: EIS-SCHWARTZ-ZA CURRENT APPLICATION NUMBER: US/	CORRENT FILING DATE: 200 CORRENT FILING DATE: 200 PRIOR FILING DATE: 1999-0 PRIOR FILING DATE: 1998-0 PRIOR FILING DATE: 1998-0 PRIOR PILING DATE: 1998-0 PRIOR PELING DATE: 1998-0 PRIOR PILING DATE: 1998-0 PRIOR PILING DATE: 1998-0 PRIOR FILING DATE: 1998-0 PRIOR FILING DATE: 1998-0 PRIOR FILING DATE: 1998-0 PRIOR FILING DATE: 1998-0 PRIOR DATE: 1998-0 TOWNER: PRIOR DATE: 1998-0 LENGTH: 18 LENGTH: 18 CRG ID NO 19 LENGTH: 19 CRG ATTARE: PRI CRGANISM: 19 CRG ATTARE: PRI CRGANISM: 19	Ouery Match Best Local Similarity 100.0%; Pre Matches 18; Conservative 0; M Oy 1 SYDSIKLEPENPPPYEEA 18
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| APPLICANT: BISENBACH-SCHWARTZ, Michal |
| APPLICANT: BISENBACH-SCHWARTZ, Michal |
| APPLICANT: BISENBACH-SCHWARTZ, Michal |
| APPLICANT: BESERVAN, Pierre |
| APPLICANT: BESERVAN, Pierre |
| APPLICANT: MOSCNEGO, Alon |
| APPLICANT: MOSCNEGO, Alon |
| APPLICANT: MOSLEGO, Alon |
| APPLICANT: MOSLEGO, Alon |
| APPLICANT: MOSLEGO, Alon |
| TITLE OF INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS AND THEIR USES. |
| TITLE REPRENCE: ELS-SCHWARTZ=2A |
| TITLE OF INVENTION: ACTIVATED WORDER: US/09/893,348 |
| PRIOR PLILING DATE: 2001-06-28 |
| PRIOR PLILING DATE: 1998-05-19 |
| PRIOR PR
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100.0%; Score 99; DB 5; Length 1163;
Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps
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Sequence 10. Application US/10633423

Publication No. US20040191240A1

GENERAL INFORMATYON:

PAPLICANT: TODYAMA, MASAYA

APPLICANT: TODYAMA, MASAYA

TITLE OF INVENTION: COMPOSITION AND METHOD FOR NERVE REGENERATION

FILE REFERENCE: 59150-0623 US01

CURRENT PELING DATE: 2003-07-11

PRIOR RILING DATE: 2003-07-11

PRIOR RILING DATE: 2003-07-11

PRIOR PILING DATE: 2003-07-11

PRIOR PRIOR PRIOR DATE: 2003-07-11

PRIOR PILING DATE: 2003-07-11

PRIOR
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96.0%; Score 95; DB 4; Length 116
Best Local Similarity 94.4%; Pred; No. 0.00078;
Matches 17; Conservative 0; Mismatches 1; Indels
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| Sequence 18, Application US/0989348
| Sequence 18, Application US/0989348
| Sequence 18, Application US/0989348
| Parent No. US20020072493A1
| GREAL INFORMATION:
| APPLICANT: BISBRAGAC SCHWARTZ, Michal
| APPLICANT: COHEN, Irun R. APPLICANT: MOSONEGO, Alon
| APPLICANT: MOSONEGO, Alon
| APPLICANT: MOSONEGO, Alon
| TITLE OF INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS AND THEIR USF
| TITLE OF INVENTION: ACTIVATED T-CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS AND THEIR USF
| FILE REPERBNCE: E1S-SCHWARTZ-2A
| CURRENT APPLICATION NUMBER: US/09/9893,348
| CURRENT PLILNG DATE: 1999-05-19
| PRIOR FILING DATE: 1999-12-22
| PRIOR FILING DATE: 1998-12-22
| PRIOR FILING DATE: 1998-12-22
| PRIOR FILING DATE: 1998-07-21
| PRIOR FILING DATE: 1998-07-21
| PRIOR FILING DATE: 1998-06-19
| NUMBER OF SEQ ID NOS: 29
| SEG ID NO 18
| LENGTH: 1163
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100.0%; Score 99; DB 3; Length 1163;
Best Local Similarity 100.0%; Pred. No. 0.00023;
Matches 18; Conservative 0; Mismatches 0; Indels
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100.0%; Score 99; DB 5; Length 18
Best Local Similarity 100.0%; Pred. No. 3.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels
FILE REFERENCE: BIS-SCHWARTZ=2A
CURRENT APPLICATION NUMBER: US/10/810,653
CURRENT FILING DATE: 2004-06-28
PRIOR APPLICATION NUMBER: US/09/893,348
PRIOR FILING DATE: 2004-06-28
PRIOR APPLICATION NUMBER: US 09/314,161
PRIOR FILING DATE: 1999-05-19
PRIOR PILING DATE: 1999-05-19
PRIOR PILING DATE: 1999-05-19
PRIOR PILING DATE: 1998-07-21
PRIOR APPLICATION NUMBER: UI 124500
PRIOR APPLICATION NUMBER: II 124500
PRIOR PILING DATE: 1998-07-21
PRIOR APPLICATION NUMBER: II 124500
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PALENTH: 18
ENGTHARE: PALENTH: 18
ENGTHARE: PALENTH: 18
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US-10-810-653-18
Sequence 18, Application US/10810653
; Publication No. US20040253218A1
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; ORGANISM: Rattus norvegicus
US-09-893-348-18
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; ORGANISM: Rattus norvegicus
US-10-810-653-19
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GENERAL INFORMATION:
APPLICANT: Tobyama, Mseaya
APPLICANT: Tobyama, Mseaya
APPLICANT: Vamashita, Tobhidde
TITLE OF INVENTION: COMPOSITION AND METHOD FOR NERVE REGENERATION
FILE REFERENCE: 59150-8023
CURRENT APPLICATION NUMBER: US/10/427,741
CURRENT FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-03-28
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PATENTIN NOS: 25
SOFTWARE: Patentin version 3.1
SEQ ID NO 10
LENGTH: 1162
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Local Similarity 94.4%; Pred. No. 0.00078;
Los 17; Conservative 0; Mismatches 1; Indels
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US-09-789-386-2

Sequence 2, Application US/09789386

Factor No. US20020010324A1

GENERAL INPORMATION:

APPLICANT: MICHALOVICH, DAVID

APPLICANT: PRINJHA, RABINDER KUWAR

TITLE OF INVENTION: NOVEL COMPOUNDS

FILE REPERENCE: GP-30166-C1

CURRENT APPLICATION NUMBER: US/09/789,386

CURRENT PILLING DATE: 2001-02-21

FRIOR PLILONG DATE: 1999-07-19

FRIOR FILING DATE: 1999-07-22

FRIOR PLILONG DATE: 1999-07-22

FRIOR PLILING DATE: 1999-07-22

NUMBER OF SEQ ID NOS: 6

SOFTWANDER

SOFTWANDER
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Sequence 431, Application US/10267502
Sequence 431, Application US/10267502
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Galant, Ron
FILE PEPERROR: LSD-0746
CURRENT FILING DATE: LSD-0746
CURRENT APPLICATION NUMBER: US/10/267,502
CURRENT FILING DATE: 2003-01-27
NUMBER OF SEQ ID NOS: 439
SEQ ID NO 431
LEBOGTH: 1163
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SOFTWARE: FastSEQ for Windows Version 3.0
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; ORGANISM: Mus musculus
US-10-267-502-431
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; ORGANISM: Mus musculus
US-10-427-741-10
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Matches
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| TYPE | FRT | 1122 | COMMUNICATION | 1124 | COMMUNICATION | 1124 | COMMUNICATION | 1125 | COMMUNICATION | 1125 | COMMUNICATION | 1225 |
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Sequence 7, Application US/10408967
Publication No. US20040063161A1
GENERAL INFORMATION:
APPLICANT: Pharmacia & Upjohn Company
APPLICANT: Yan, Yifeng
TITLE OF INVENTION: Compositions and Methods of Treating Alzheimer's Disease
FILE REFERENCE: 009025
FILE REFERENCE: 009025
CURRENT FILING DATE: 2003-04-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.1
SSO ID NO 7.7
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85.9%; Score 85; DB 4; Length 1192;
Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
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Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
                                Query Match
Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
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US-10-267-502-429
iOs-10-267-502-429
sequence 429, Application US/10267502
publication No. US20040071700A1
general informations:
APPLICANT: Galant, Ron
TILLANT: Galant, Ron
FILE REFERENCE: LGD-07416
CURRENT PELLICNON NUMBER: US/10/267,502
CURRENT FILING DATE: 2003-01-27
NUMBER OF SEQ ID NOS: 439
SEQ ID NO 429
IENGTH: 1192
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US-10-327-213-9
; Sequence 9, Application US/10327213
; Publication No. US20040121341A1
; GENERAL INFORMATION:
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                                                                                                                            1 SYDSIKLEPENPPYEEA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
CRGANISM: Homo sapiens
US-10-267-502-429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LENGTH: 1192
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-967-7
US-10-060-036-71
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US-09-972-594-6

i Sequence 6. Application US/09972599A

i Beareat No. US20020077295A1

i GENERAL INFORMATION:

APPLICANT: STRITTMATTER, STEPHEN M.

TITLE OF INVENTION: NOGO-RECEPTOR-MEDIATED BLOCKADE OF AXONAL GROWTH

TITLE OF INVENTION: NOGO-RECEPTOR-MEDIATED BLOCKADE OF AXONAL GROWTH

CURRENT APPLICATION NUMBER: US/09/972,599A

CURRENT FILING DATE: 2001-01-12

PRIOR FILING DATE: 2001-01-12

PRIOR FILING DATE: 2001-01-12

PRIOR PRILOR APPLICATION NUMBER: 60/236,378

PRIOR FILING DATE: 2000-09-29

PRIOR FILING DATE: 2000-09-29

PRIOR FILING DATE: 2000-01-12

PRIOR FILING DATE: 2000-01-12

NUMBER OF SEQ ID NUMBER: 60/175,707

PRIOR FILING DATE: 2000-01-12

NUMBER OF SEQ ID NOS: 57

SEQ ID NO 6: 57

SEQ ID NO 6: 57

SEQ ID NO 6: 2.1
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US-10-060-036-71
Sequence 71, Application US/10060036
Sequence 71, Application US/10060036
Sequence 71, Application US/20030073144A1
GENERAL INFORMATION:
APPLICANT: Benson, Darin R.
APPLICANT: Lodes, Michael D.
APPLICANT: Persing, David H.
APPLICANT: AND DIAGNOSIS OF PANCREATIC CANCER
FILE REPERENCE: 210121.566
CURRENT FILING DATE: 2002-01-30
NUMBER: OF PANCREATIC CANCER
SOFTWARE: PSEC ID NOS: 4560
SOFTWARE: PSEC ID NOS: 4560
SEC ID NO 71
LENGTH: 1192
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Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                 Query Match
Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 SYDSIKLEPENPPPYEEA 18
                                                                                                                                                                                                                  1 SYDSIKLEPENPPYEEA 18
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT; ORGANISM: Homo sapiens
US-09-972-599A-6
             ; LENGTH: 1192
; TYPE: PRT
ORGANISM: Homo sapiens
US-09-893-348-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1192
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0; Gaps

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APPLICANT: FILBIN, MARIB T.

APPLICANT: DOMENICONI, MARCO
APPLICANT: CAO, ZIXUAN
TITLE OF INVENTION: INHIBITORS OF MYELIN-ASSOCIATED GLYCOPROTEIN (MAG)
TITLE OF INVENTION: ACTIVITY FOR REGULATING NEURAL GROWTH AND REGENERATION
FILE REPRENCE: CURVA/03
CURRENT PELLON NUMBER: US/10/327,213
CURRENT FILING DATE: 202-12-20
NUMBER OF SEQ ID NOS: 402
SEQ ID NO 9
LENGTH: 1192
TYPE: PRT
ORGANISM: Homo sapiens
US-10-327-213-9
Query Match
Best Local Similarity 85.9%; Score 85; DB 4; Length 1192;
Best Local Similarity 83.3%; Pred. No. 0.016;
Matches 15; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
CV
ON HOME CONSTRUEDENDEPVERA 18
CONSTRUENCE CO
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Search completed: March 23, 2006, 16:52:58 Job time : 168 secs

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March 23, 2006, 16:50:18; Search time 23 Seconds (without alignments) 22.401 Million cell updates/sec
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Published Applications AA New:*

1: /cgn2 6/ptodata1/pubpaa/US08 NEW PUB.pep:*

3: /cgn2 6/ptodata1/pubpaa/US08 NEW PUB.pep:*

3: /cgn2 6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

4: /cgn2 6/ptodata/1/pubpaa/US07 NEW PUB.pep:*

5: /cgn2 6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

6: /cgn2 6/ptodata1/pubpaa/US10 NEW PUB.pep:*

7: /cgn2 6/ptodata1/pubpaa/US10 NEW PUB.pep:*

7: /cgn2 6/ptodata1/pubpaa/US11 NEW PUB.pep:*

8: /cgn2 6/ptodata1/pubpaa/US11 NEW PUB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                169630 seqs, 28622889 residues
                                                                                                                                                                                                                                                                         US-09-830-972A-2_COPY_623_640
99
1 SYDSIKLEPENPPPYEEA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                             BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Perfect score:
Sequence:
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score greater than of equal to the score of the result being printed, and is derived by analysis of the total score distribution.	Description	33,	76, 29, 113,	284 284			238		Sequence 7408, Ap
	SUMMARIES	US-11-044-899-33 US-11-044-899-2 US-11-044-899-30	US-11-177-648-76 US-11-044-899-29 US-11-177-648-113	US-11-096-568A-28475 US-11-096-568A-28474 US-11-096-568A-28473	0-519- 1-106- 1-249-	US-11-096-568A-28287 US-11-096-568A-28286 US-11-096-568A-28285	US-11-096-568A-23878 US-11-096-568A-23877 US-11-096-568A-23876	US-11-015-546A-5 US-11-015-546A-4 US-11-015-546A-1 US-11-015-546A-10 US-11-015-546A-12	US-11-096-568A-7408
	DB	~~~		,,,	9 7 7				
	Length	18 1163 1163	201 1178 200	247 329 340	505 688 487	361 363 413	569 584 605	212 213 253 253 274 274	473
	% Query Match	100.0 100.0	85.9 85.9	46.5 46.5 7.0 7.0	46.5 2.6 3.5 3.5	4 4 4 4 4 4 4 4 4	444	. 4 4 4 4 4 4	43.4
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RESULT 2
US-11-044-899-2
US-11-044-899-2
Sequence 2, Application US/11044899
Sequence 2, Application US/11044899
Sequence 2, Application No. US20050260616A1
SEQUENCE CANADA MACHEDIA MACHEDIA MACHEDIA SEQUENCES OF NOGO GENES AND METHODS BASED
TITLE OF INVENTION: THEREON
TITLE OF INVENTION: THEREON
STILE REFERENCE: 10200-017-999
CURRENT APPLICATION NUMBER: US/11/044,899
CURRENT APPLICATION NUMBER: US/11/044,899
STILE REFERENCE: 2005-01-26
SPRIOR APPLICATION NUMBER: 09/830,972

	10192 10191 2017 31293 31292 31292 28236 809, 17369		GENES AND METHODS BASED	0; Gaps 0;
43 43.4 491 7 US-11-096-568A-9195 43 43.4 491 7 US-11-096-568A-9196 43 43.4 491 7 US-11-096-568A-9194 43 43.4 511 7 US-11-096-568A-9193 43 43.4 601 7 US-11-096-568A-9193 41.5 41.9 243 6 US-10-18-868-119 41.5 41.9 243 6 US-10-511-538-95 41.5 41.9 243 6 US-10-995-561-563	4 236 7 US-11-096-568A-10192 4 251 7 US-11-026-568A-10191 4 70 7 US-11-024-959-297 4 954 7 US-11-096-568A-31293 4 963 7 US-11-096-568A-31293 4 964 7 US-11-096-568A-31291 4 968 7 US-11-096-568A-31291 4 1375 6 US-11-096-568A-3836 4 1375 7 US-11-096-561-809 1 1376 7 US-11-096-568A-17369	RESULT 1 US-11-044-899-33 Sequence 33, Application US/11044899 Publication No. US20850260616A1 GENERAL INPOMATION: APPLICANT: Schwab, M.	CLIER, W. NUCLECATIDE AND PROT INVENTION: THEREON REMUCE: 10200-01-99 PPLICATION NUMBER: US/11/044,8 ILING DATE: 2005-01-26 LICATION NUMBER: 09/830,972 LICATION NUMBER: 09/830,972 LICATION NUMBER: PCT/US99/2616 LICATION NUMBER: 60/107,446 LICATION NUMBER: 60/107,446 LICATION NUMBER: 60/107,446 LICATION NUMBER: 60/107,446 LICATION NUMBER: 60/107,446	; SDF IN 0.3 3 ; LENGTH: 18 ; TYPE: PRT ; ORGANISM: Bos sp. (Ouery Warch

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RESULT 5
103-11-044-899-29
1 Sequence 29, Application US/11044899
1 Sequence 29, Application No. US20050260616A1
1 Sequence 29, Application No. US20050260616A1
1 Sequence 20, Application No. US20050260616A1
1 SEQUENCE CANT. Schwab, M.
1 APPLICANT: Schwab, M.
1 TILLE OF INVENTION: THEREON
2 TILLE OF INVENTION: UNDER: US 09/830,972
2 CURRENT APPLICATION NUMBER: US/11/044,899
2 CURRENT PILING DATE: 2001-09-24
2 PRIOR FILING DATE: 1999-11-05
3 PRIOR FILING DATE: 1999-11-05
4 PRIOR FILING DATE: 1999-11-06
5 PRIOR FILING DATE: 1999-11-06
5 NUMBER OF SEQ ID NOS: 51
5 SEQTIAND NOS: 51
5 ENGTYARE: EASTER OF Windows Version 3.0
5 SEQ ID NO 29
5 SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence FEATURE: OTHER INFORMATION: Amino acids 586-785 of human NOGO A (NOGO-A56) US-11-177-648-76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 83.3%; Pred. No. 7.8e-05;
Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                            Length 201;
                                                                                                                                                                                                                                                                                                                                                                                         Query Match 85.9%; Score 85; DB 7; Length 201
Best Local Similarity 83.3%; Pred. No. 1.1e-05;
Matches 15; Conservative 2; Mismatches 1; Indels
CURRENT FILING DATE: 2005-07-06
PRIOR PELING DATE: 2004-12-20
PRIOR PILING DATE: 2004-12-20
PRIOR PILING DATE: 2004-12-20
PRIOR PLING DATE: 2003-12-22
PRIOR PLING DATE: 2003-12-22
PRIOR PLING DATE: 2003-12-22
PRIOR PLING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSEQ for Windows Version 4.0
SEROID NO 16
LENGTH: 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
NAME/KEY: VARIANT
LOCATION: (1)...(1178) at all Xaa position
, CTHER INFORMATION: Xaa = any amino acid
US-11-044-899-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 113, Application US/11177648
Publication No. US20060029603A1
GENERAL INFORMATION:
APPLICANT: JONATHON HENRY ELLIS
APPLICANT: Paul Andrew HAMBLIN
APPLICANT: Paul Alexander WILSON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 SYDSIKLEPENPPPYEEA 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 6
US-11-177-648-113
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| Sequence 30, Application US/11044899 |
| Sequence 30, Application US/2005060616A1 |
| Sequence 30, Application US/20050260616A1 |
| Sequence 30, Application No. US20050260616A1 |
| APPLICARI: Schwab, M. |
| APPLICARI: Cachwab, M. |
| TITLE OF INVENTION: THEREON |
| TITLE OF INVENTION: THEREON |
| TITLE OF INVENTION: THEREON |
| PLIE REPRENCE: 10200-01-99 |
| CURRENT APPLICATION NUMBER: 09/830,972 |
| PRIOR FILING DATE: 2001-09-61 |
| PRIOR FILING DATE: 1999-11-05 |
| PRIOR FILING DATE: 1999-11-06 |
| PRIOR FILING DATE: 1999-11-06 |
| NUMBER OF SEQ ID NOS: 51 |
| SOFTWARE: FeatSEQ for Windows Version 3.0 |
| LENGTH: 1163 |
| TYPE: PRY ORGANISM: Rattus Sp.
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                                                                                                                                                                                                                                                                                                         Length 1163;
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Sequence 76, Application US/11177648
Publication No. US20060029603A1
GENERAL INFORMATION:
APPLICANT: Jonathon Henry ELLIS
APPLICANT: Paul Andrew HAMBLIN
APPLICANT: Paul Andrew HAMBLIN
APPLICANT: Paul Alexander WILSON
APPLICANT: Alan Peter LEWIS
FILLE OF INVENTION INMUNOCLOBULINS
FILLE REFERENCE: PESCOGOS-2
CURRENT APPLICATION NUMBER: US/11/177,648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; FRATURE:
NAMEKEY: VARIANT
; LOCATION: (1)...(1163) at all Xaa position
; OTHER INFORMATION: Xaa = any amino acid
US-11-044-899-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      623 SYDSIKLEPENPPPYEEA 640
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US-11-177-648-76
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Sequence 248475, Application US/11096568A
Sequence 248475, Application US/20060048240A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Therby
TITLE OF INVENTION: THERP
TITLE OF INVENTION
THERP
TITLE OF INVENTION
TITLE OF I
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TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Therby
FILE REPERENCE: 2750-1592PUS2
CURRENT APPLICATION NUMBER: US/11/096,568A
CURRENT PILING DATE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; PATURE INFORMATION: Amino acid sequence of Marmoset NOGO-A fragment US-11-177-648-113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
46.5%; Score 46; DB 7; Length 247;
Best Local Similarity 69.2%; Pred. No. 9;
Matches 9; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 200,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 80.8%; Score 80; DB 7; I Best Local Similarity 72.2%; Pred. No. 6.2e-05; Marches 1; Conservative 4; Mismatches
TITLE OF INVENTION: IMMUNOGLOBULINS
TITLE OF INVENTION: IMMUNOGLOBULINS
TITLE REPERENCE: PB60608-2
CURRENT APPLICATION NUMBER: US/11/177,648
CURRENT FILING DATE: 2005-07-06
FRIOR APPLICATION NUMBER: PCT/GB2004/005325
PRIOR APPLICATION NUMBER: GB0329711.6
PRIOR PILING DATE: 2004-12-22
PRIOR PLING DATE: 2003-12-22
PRIOR PLING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FSELSEQ FOR WINDOWS VERSION 4.0
SSQ ID NO 113
LENGTH: 200
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; LOCATION: (1)...(247)
; OTHER INFORMATION: Ceres Seq. ID no. 2996848
US-11-096-S68A-28475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 8
US-11-056-568A-28474
; Seques 28474, Application US/11096568A
Publication No. US20060048240A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60 NFESVKHEPENPPPYEEA 77
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ORGANISM: Arabidopsis thaliana
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 SYDSIKLEPENPPPYEEA
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## Sequence A Application US/10519447

## Publication No. US20050244829A1

## APPLICANT: Maketo OGINO

## APPLICANT: Maketo OGINO

## APPLICANT: Maketo OGINO

## APPLICANT: Hideki Emodi

## TITLE OF INVENTION WHERE: US/10/519,447

## CURRENT APPLICATION NUMBER: US/10/519,447

## CURRENT PILING DATE: 2004-12-30

## PRIOR PILING DATE: 2003-07-01

## PRIOR PILING DATE: 2003-07-01

## PRIOR PILING DATE: 2002-07-02

## NUMBER OF SEQ ID NOS: 16

## SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Alexandrov, Nickolai et al.
TITLE OF INVENTION: Sequence-Determined DNA Fragments and Corresponding Polypeptides
TITLE OF INVENTION: Therby
TITLE OF INVENTION: Therby
TITLE OF INVENTION: Therby
CURRENT APPLICATION WUMBER: US/11/096,568A
CURRENT APPLICATION WUMBER: US/11/096,568A
CURRENT PILING DAIE: 2005-04-01
NUMBER OF SEQ ID NOS: 34471
SEQ ID NO 28473
LENGTH: 340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 340;
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Pred. No. 13;
0; Mismatches 4
                                                                                                                                                                                                                                                                                                                                                            Score 46; DB 7;
Pred. No. 12;
0; Mismatches
                                                                                FEATURE:
NAME/KEY: misc feature
LOCATION: (1). (1229)
OTHER INFORMATION: Ceres Seq. ID no. 2996847
US-11-096-568A-28474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc_feature; LOCATION: (1)...(340); CTHER INPORMATION: Ceres Seq. ID no. 2996846; US-11-096-S68A-28473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 9
US-11-096-568A-28473
US-11-096-568A-28473
; Sequence 28473, Application US/11096568A
; Publication No. US20060048240A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Arabidopsis thaliana
TYPE: PRT
ORGANISM: Arabidopsis thaliana
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Best Local Similarity 69.2%;
Matches 9; Conservative (
                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 69.2%;
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  122 İHLWPENPPGYRE 134
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Squence 28286, Application US/11096568A
| Squence 28286, Application No. US2006048240A1
| CHENERAL INFORMATION:
| APPLICANT: ALEXANDRON: Vickolai et al. APPLICANT: ALEXANDRON: Thereby
| TITLE OF INVENTION: Squence-Determined DNA Fragments and Corresponding Polypeptides;
| TITLE OF INVENTION: Thereby
| TITLE OF INVENTION: Thereby
| FILE REPRENCE: 2750-15922US2;
| CURRENT PILING DATE: 2005-04-01;
| WURBER OF SEQ ID NOS: 34471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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PRIOR FILING DATE: 2002-07-01
PRIOR PILING DATE: 2002-07-01
PRIOR APPLICATION NUMBER: 60/393,223
PRIOR PILING DATE: 2002-07-01
PRIOR APPLICATION NUMBER: 60/393,233
PRIOR PILING DATE: 2002-07-01
PRIOR PLING DATE: 2003-07-01
PRIOR PLING DATE: 2003-07
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44.4%; Score 44; DB 7; Length 361;
Best Local Similarity 57.1%; Pred. No. 27;
Matches 8; Conservative 2; Mismatches 4; Indels
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Pred. No. 27;
1; Mismatches 3
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| LOCATION: (1). (361)
| OTHER INFORMATION: Ceres Seq. ID no. 2711462
| US-11.096-568A-28287
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ORGANISM: Arabidopsis thaliana
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Best Local Similarity 66.7%;
Matches 8; Conservative
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314 SVKATCEMPPPFEE 327
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233 SFSEIKLRPENP 244
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ORGANISM: Homo sapiens
US-11-249-847-582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 14
US-11-096-568A-28286
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US-11-106-674-1
; Sequence 1, Application US/11106674
; Publication No. US20050289688A1
; Publication No. US2005028968BA1
; GENERAL INFORMATION:
; APPLICANT: Aventis Pharma S.A.
; TITLE OF INVENTION: CONDITIONAL INVIBITION
; TITLE OF INVENTION: CONDITIONAL INVIBILION
; TITLE OF INVENTION: UNDER: US/10/10
; TITLE OF INVENTION: UNDER: US/10/10
; TITLE OF INVENTION: UNDER: US/10/931,007
; FILE REFERENCE: 0300-04-15
; CURRENT PILLING DATE: 2000-04-15
; FRIOR PLILING DATE: 2000-08-18
; PRIOR PLILING DATE: 2000-08-18
; PRIOR PLILING DATE: 2000-08-18
; PRIOR PLILING DATE: 2000-08-18
; RIOR PLILING DATE: 2000-10-11
; NUMBER: OF SEQ ID NOS: 11
; SOOTWARE: Patentin version 3.0
; SEQ ID NO 1
; LENGTH: 688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) NAME/KET: misc

LOCATION: (1)..(688)

) OTHER INFORMATION: Sequence for PPAR-gamma-2-gamma-2, a modified human PPAR-gamma (F

) OTHER INFORMATION: eroxisome Proliferator Activated Receptor-gamma)

19-11-106-674-1
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46.5%; Score 46; DB 7; Length 688;
Best Local Similarity 57.1%; Pred. No. 27;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                        Query Match

46.5%; Score 46; DB 6; Length 505;
Best Local Similarity 57.1%; Pred. No. 20;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              :||:|| :|| | |
105 AIKVEPASPPYYSE 118
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TYPE: PRTY

TYPE: PRTY

CARANISH: Arabidopeie thaliana

FEATURE:

FEATURE:

JUCCATION: (1).-(133)

GORET RIPROPAZION:

GORET RIPROPAZION:

GORET RIPROPAZION:

GORET RIPROPAZION:

A SILLEPENDEPEE 329

RESULT 15

By Conservative 27 Mismatches 4; Indels 0; Gaps 0;

4 SILLEPENDEPEE 329

RESULT 15

By Conservative 17 Mismatches 4; Indels 0; Gaps 0;

A SILLEPENDEPEE 329

RESULT 15

By Conservative 17 Miscolai et al.

JITLE 0F INVENTION: Sequence 18205

GORET AND 19205

TILLE REPRENCE: 735-1352903

TILLE 0F INVENTION: Sequence 180/11/096,568A

THEST OF NO. 2830

THE OF LOCATION: (1) THALIANA

THE OF THE PRENCE: 735-1352903

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THE OF THE PRENCE: 735-1352903

GORET WARGHEST MISCOPERING NO. 134-11

THE OF THE PRENCE: 735-135903

GORET WARGHEST MISCOPERING NO. 134-11

THE OF THE PRENCE: 735-135-1352903

GORET WARGHEST MISCOPERING NO. 134-11

THE OF THE PRENCE: 735-135-1352903

GORET WARGHEST MISCOPERING NO. 134-14

MASCHORS GORET MISCOPERING NO. 16:53:27

JOBER TROUBLETGE: MARCH 23, 2006, 16:53:27
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; TYPE: PRT
; ORGANISM: Guayule
US-09-537-357-54
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                                                                                                                                                                                                                                                                       March 23, 2006, 16:48:43; Search time 47 Seconds (without alignments) 3.163 Million cell updates/sec
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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1. /cgn2_6/pcdata/1/iaa/5_COMB.pep:*
22. /cgn2_6/pcdata/1/iaa/6_COMB.pep:*
33. /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
4. /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
55. /cgn2_6/ptodata/1/iaa/RB_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/RB_COMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 572060 seqs, 82675679 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-830-972A-2_COPY_623_640
99
1 SYDSIKLEPENPPPYEEA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                     OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 2000000000
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Perfect so
Sequence:
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RESULT 5

US-08-980-115-10

Sequence 10, Application US/08980115

Sequence 10, C6266622

Patent No. 6266622

APPLICANT: Scanlan, Thomas S.

APPLICANT: Batter, John D.

APPLICANT: Hetterick, Robert J.

APPLICANT: Hetterick, Robert J.

APPLICANT: Application of the control of t
APPLICANT: Apriletti, James W
APPLICANT: West, Brian
TITES OF INVENTION: Nuclear Receptor Ligands and Ligand
TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
TITLE OF INVENTION: Nuclear Receptor Ligands
ADDRESSEE: Cooley Godward
CTTY: Palo Alto
STATE: CA COOLEY GODWARD
ZIP: 94306
COMPUTER: ELS PORM:
MEDIUM TYPE: Floppy disk
COMPUTER: READABLE FORM:
MEDIUM TYPE: Palo Alto
STATE: CA COMPUTER: NEW PC COMPATIBLE
COMPUTER: BATCHIN PC-1005/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 60/008,540
FILING DATE: 13-DEC-1995
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/008,543
FILING DATE: 13-DEC-1995
FILING DATE: 14-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: NARMALLA JOCKET NUMBER: 35,966
REFERENCE/DOCKET NUM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 46; DB 2; Length 475;
Pred. No. 70;
3; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 3
19-08-463-375-2
19-08-465-375-2
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46.5%; Score 46; DB 2; Length 475;
Best Local Similarity 57.1%; Pred. No. 70;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
46.5%; Score 46; DB 1; Length 475;
Best Local Similarity 57.1%; Pred. No. 70;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                         COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Petentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,200
FILING DATE: 07-UUN-1995
CLASSIFICATION:
ATTORNEY AGENT INFORMATION:
ATTORNEY AGENT INFORMATION:
REGISTRATION NUMBER: 31,192
REPERENCE/DOCKET NUMBER: P41 9971
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION ON SEG 19 00: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 475 ann on acids
TYPE: annino acids
TYPE: annino acids
TYPE: annino acids
TYPE: TYPE: protein
US-08-484-200-2
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Sequence 10, Application US/08764870
Sequence 10, Application US/08764870
Patent No. 6236946
GENERAL INFORMATION:
APPLICANT: Scanlan, Thomas S
APPLICANT: Batter, John D
APPLICANT: Fletterick, Robert J
APPLICANT: Kushner, Richard L
APPLICANT: Kushner, Peter J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 SIKLEPENPPPYEE 17
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75 AIKVEPASPPYYSE 88
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US-09-587-549C.

1) Sequence 2, Application US/09587549C

1) Sequence 2. Application US/09587549C

1) Patent No. 6815168

2) GENERAL INFORMATION:

3) APPLICANT: Greene, Marianne E.

3) APPLICANT: Greene, Marianne E.

4) TITLE OF INVENTION: Compositions and Methods

5) TITLE OF INVENTION: Compositions and Methods

5) TITLE OF INVENTION: Compositions and Methods

6) CURRENT FILING DATE: 2000-06-01

7) NUMBER OF SEQ ID NOS: 8

7) SEQ ID NO 2

8) SOFTWARE: PatentIn version 3.2

8) SEQ ID NO 2

10 NOW 1475

11 NOW 1475

12 NORGANISM: Homo sapiens

13 NORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JAPPLICANT: FORMAN, BAILTY

APPLICANT: FORMAN, BAILTY

APPLICANT: FORMAN, BAILTY

ITILE OF INVENTION: SELECTIVE MODULATORS OF PEROXISOME PRO

ITILE OF INVENTION: RECEPTOR-CAMMA, AND METHODS FOR THE US

TITLE OF INVENTION WINDER: US/09/155,252A

CURRENT APPLICATION WINDER: US/09/155,252A

PRIOR APPLICATION NUMBER: PCT/US96/05465

PRIOR FILING DATE: 1996-04-18

NUMBER OF SEQ ID NOS: 7

SOUTHARE: PATENTIAL OF SEQ ID NOS: 7

SOUTHARE: PATENTIAL OF SEQ ID NOS: 7

STOIL NO 2

LENGTH: 475
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Pred. No. 70;
3; Mismatches
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                                                                                                                                                                                                             Query Match
46.5%; Score 46; DB 2;
Best Local Similarity 57.1%; Pred. No. 70;
Matches 8; Conservative 3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/09155252A Patent No. 6830882 GENERAL INFORMATION:
  ; PRIOR APPLICATION NUMBER: US 09/5; PRIOR FILING DATE: 1999-02-22; NUMBER OF SEQ ID NOS: 7 SOFTWARE: Patentin version 3.0; SEQ ID NO 2; LENGTH: 475; TYPE: PRT CRANISM: MMS MUSCULUS US-10-142-373-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
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75 AIKVEPASPPYYSE 88
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US-09-155-252A-2
                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-587-549C-2
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US-09-155-252A-2
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US-10-142-373-2
Sequence 2, Application US/10142373
Sequence 10. 6605627
Sequence 10. 6605627
Sequence 10. 6605627
Sequence 10. 11 TILE OF INVENTION: BELTY
SETILE OF INVENTION: REPERPOR GAMMA,
TITLE OF INVENTION: AND WETHODS FOR THE USE THEREOF
SELLA REPERENCE: AND WETHODS FOR THE USE THEREOF
CURRENT APPLICATION NUMBER: US/10/142,373
CURRENT APPLICATION NUMBER: US/09/788,070
SPRIOR FILING DATE: 2001-02-16
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Pred. No. 70;
3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                 Score 46; DB 2; Length 475;
Pred. No. 70;
3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                        NAME/KEY: DOMAIN
LOCATION: (202)..(475)
CTHER INFORMATION: minimal ligand binding domain
US-08-980-115-10
EARLIER APPLICATION NUMBER: 60/008,606
EARLIER FILING DATE: 1995-12-14
EARLIER APPLICATION NUMBER: 60/008,543
EARLIER FILING DATE: 1995-12-13
EARLIER FILING DATE: 1995-12-13
NUMBER OF SEQ ID NOS: 17
SEQ TRAKE: Patentin Ver. 2.0
SEQ TARRE: 00.00
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Best Local Similarity 57.1%;
Matches 8; Conservative
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Best Local Similarity 57.1%;
Matches 8; Conservative
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75 AIKVEPASPPYYSE 88
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US-09-788-070-2
                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
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RESULT 12

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Best Local Similarity 57.1%; Pred. No. 71;
Matches 8; Conservative 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 57.1%; Pred. No. 71;
Matches 8; Conservative 3; Mismatches 3; Indels
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Power Macintosh 7500/100
SOCTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/128,142
FILING DATE: 03-Aug-1998
CLASSIFICATION NUMBER: 08/044,007
FILING DATE: CURKNOWN-
ATTORING DATE: CURKNOWN-
ATTORING PATE: CURKNOWN-
ATTORING PATE: CURKNOWN-
TELEPAZ: 1008) 594-4720

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 477 amino acids
TTELEPAZ: 1008) 594-4720

INFORMATION FOR SEQ ID NO: 2:
CREATER AMINOENES: SINGle
STRANDENES: SINGle
TYPE: AMINO acid
TTELEPAZ: 11 innear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-128-142-2

WARCH

"AMICH TYPE: PERIOR OF 3; SCOPE 46; DB 2;
"MARMATCH STREAM OF 11; Pred NO: 71;
"MATCH "THE NO. 71; Pred NO. 71;
"MATCH "THE NO. 71;
"MA
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US-09-765-111A-27
; Sequence 27, Application US/09765111A
; Patent No. 6723506
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 SIKLEPENPPPYEE 17
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; Sequence 2, Application US/09128142
; Patent No. 6294559
; Patent No. 6294559
; Patent No. 6294559
; Patent No. 6294559
; TILLE OF INVENTION: ANTIPROLIFERATIVE AGENTS ASSOCIATED WITH
APPLICANT: Smith, Roy G.
TITLE OF INVENTION: ANTIPROLIFERATIVE AGENTS ASSOCIATED WITH
CITLE OF INVENTION: ANTIPROLIFERATIVE AGENTS ASSOCIATED WITH
CORRESPONDENCE ADDRESS: 4
CORREST: 126 E. Lincoln Ave., P.O. Box 2000
STREET: 126 E. Lincoln Ave., P.O. Box 2000
STREET: New Jersey
COUNTY: READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                  RESULT 10

US-08-134-557D-2

US-08-134-557D-2

Sequence 2, Application US/08134557D

Fatent No. 6200802

Patent No. 6200802

Patent No. 6200802

TITLE OF INVENTION: Receptor Gamma: Compositions and Methods

TITLE OF INVENTION: Receptor Gamma: Compositions and Methods

TITLE OF INVENTION: Receptor Gamma: Compositions and Methods

NUMBER OF SEQUENCES: 8

CORRESPENTION: Receptor Gamma: Compositions and Methods

STREET: 2 Prudential Plaza, Suite 4700 180 N. Stetson

CITY: Chicago

STREET: 2 Prudential Plaza, Suite 4700 180 N. Stetson

CITY: Chicago

STREET: 2 Prudential Plaza, Suite 4700 180 N. Stetson

CITY: Chicago

STREET: 1 BN PC Compatible

COMPUTER: IBM PC LODS/MS-DOS

SOFTWARE: PatentION: 435

CLASSIFICATION: A35

CLASSIFICATION: NUMBER: 25,011

REGISTRATION: A35

ATTORNEY/AGENT INPORMATION:

TELEPHONE: JACATION OF A MAINO A CIGE

TOTAL AND A COMPANIES A C
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Pred. No. 71;
3; Mismatches 3; Indels
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Best Local Similarity 57.1%;
Matches 8; Conservative
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amino acid
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75 AIKVEPASPPYYSE 88
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                                                                                                                                                                           4 SIKLEPENPPPYEE 17
                                                                                                                                                                                                                    TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-134-557D-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 11
US-09-128-142-2
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Sequence 16, Application US/09765111A

PREENT NO. 6723506

PREENT INFORMATION:
PAPLICANT: FICECHOET, JONATHAN A.
PAPLICANT: FICECHOET, JONATHAN A.
PAPLICANT: ELCANT: AND FOLYBEPTIDES AND USES THEREOF
TITLE OF INVENTION: PAX8-PPARGAMMA NUCLEIC ACID MOLECULES
FURRENT APPLICATION NUMBER: US 60/177,109
PRIOR PELING DATE: 2000-01-20
PRIOR PELING DATE: 2000-01-20
PRIOR PELING DATE: 2000-01-20
PRIOR PELING DATE: 2000-08-14
NUMBER: PROFECTION NUMBER: US 60/177,109
PRIOR PILING DATE: 2000-08-14
SOFTWARE FREEE FREEE FREEE FREEE
SEC ID NOS: 47
SOFTWARE: FREEEE  FREEEE FREEEEF FREEEEF FREEEEF FREEEEF FREEEF FREEFF FR
        Score 46; DB 2; Length 505;
Pred. No. 75;
3; Mismatches 3; Indels
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Pred. No. 75;
3; Mismatches
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        Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
                                                                                                                                                                                        4 SIKLEPENPPYEE 17
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Best Local Similarity 57.13
Matches 8; Conservative
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CRCANISM: Homo Sapiens
US-09-765-111A-16
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Patent No. 6294529
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Smith, Roy G.
TITLE OF INVENTION: PEROXISOME PROLIFERATIVE AGENTS ASSOCIATED WITH
PEROXISOME PROLIFERATIOR ACTIVATED RECEPTORS GAMMAI AND GAMMA
APPLICANT: Fletcher, Jonathan A.

APPLICANT: Excol, Todd G.

TITLE OF INVENTION: PAX8-PPARGamma NUCLEIC ACID MOLECULES
TITLE OF INVENTION: PAX8-PPARGamma NUCLEIC ACID MOLECULES
TITLE OF INVENTION: AND POLYFEPTIDES AND USES THEREOF
FILE REFERENCE: BOOGO1/196/REP/MAT
CURRENT APPLICATION NUMBER: US 60/7765,111A
CURRENT PILING DATE: 2001-01-18
FRIOR PELLING DATE: 2000-01-20
PRIOR FILLING DATE: 2000-01-20
PRIOR FILLING DATE: 2000-01-40
NUMBER OF SEQ. ID NOS: 47
SOFTWARE: FREESEQ for Windows Version 3.0
LENGTH: 478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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CORRESPONDENCES. 4
CORRESPONDENCES. Dack L. Tribble
STREET: 126 E. Lincoln Ave., P.O. Box 2000
CITY: Rahway
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 07065-0907
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
COMPATING SYSTEM: POWER Macintosh 75
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 03-Aug-1998
CLASSIPICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Tribble, Jack L.
REGISTRATION NUMBER: 32,633
REFERENCE/DOCKET NUMBER: «Unknown>
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TELEPRONE: (908) 594-5321
| TELEPRA: (908) 594-5321
| TELEPRA: (908) 594-5321
| TELEPRA: (908) 594-4720
| SEQUENCE CHARACTERISTICS:
| LENGTH: 505 amino acide
| TYPE: amino acide
| STRANDEDNESS: single
| MOLECULE TYPE: peptide
| SEQUENCE DESCRIPTION: SEQ ID NO: 4:
| US-09-128-142-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/844,007
FILING DATE: <UNKNOWN>
ATTORNEY/AGENT INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 57.1%;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4 SIKLEPENPPYRE 17
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77 AIKVEPASPPYYSE 90
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-765-111A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 14
US-09-128-142-4
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